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SEEDS PLANTS

1910

62.23

33<sup>rd</sup>  
YEAR



TYPE OF COUNTLESS  
SPENCER SWEET PEAS  
SEE INSIDE COVER

VAUGHAN'S SEED STORE

84-86 Randolph St. CHICAGO



# Spencer Hybrids,<sup>or</sup> Giant Orchid Flowering Type<sup>of</sup> Sweet Peas

In this we have a new class of Sweet Peas which has attracted great attention for the last two or three years. Flowers of enormous size with both standard and wings waved, fluted and crumpled, while the flowers are so loosely and gracefully set on the stems that they at once show their superiority to the older kinds. Plants healthy and vigorous and produce these strong stemmed flowers of great substance. The perfect formed blooms often measure two inches across.

The original type called Countess of Spencer which originated in England showed quite a tendency to vary in the flowers which it produced, but by steady improvement and selection the number of colors reasonably constant has been much increased and our mixture composed of these Hybrid Spencer types contains several new colors not yet fixed in the trade.

**Apple Blossom (Spencer)** 4004. The ground tint is primrose, standard rose showing veins of deeper rose, wings light carmine, the whole color overspread on primrose. It is very large, with especially large drooping wings. Pkt 10c, oz 30c, 2 oz 50c, ¼ lb 85c.

**Asta Ohn (Spencer)** 4006. This selection is lavender, suffused or tinted with mauve. The best lavender in the Spencer selections. It is of the true Spencer type, large and wavy, and has large wavy wings also. It comes uniformly four blossoms to the stem, and the stems are particularly long and sturdy. Pkt 10c, ½ oz 50c, oz 90c.

**Audrey Crier** 4007. Silver Medal and First-Class Certificate N. S. P. S. Award of Merit R. H. S. A lovely shade of salmon pink, very large, standard and wings perfectly formed, and most beautifully waved, with a majority of four flowers to a spike. Pkt 10c, ½ oz 20c.

**Aurora (Spencer)** 4009. The flowers are of enormous size, and come uniformly of the true "Spencer" type. Both standard and wings are waved or fluted. The magnificent flowers are produced most in threes and fours, well placed on the end of long, stiff stems. The ground color is a cream-white, and this is exquisitely flaked and mottled with rich orange-salmon. Pkt 10c, ½ oz 50c, oz 90c.

**Black Knight (Spencer)** 4013. Very deep maroon, one of the darkest sorts. Pkt 10c, ½ oz 40c, oz 75c.

**Blanche Ferry (Spencer)** 4016. The well known pink and white variety of Spencer type. Pkt 10c, ½ oz 35c, oz 60c.

**Countess Spencer (Variety)** 4026. Bright clear pink showing a little deeper at the edges. The form is open and the margins of the petals are wavy. Both standard and wings are very large, blossoms frequently measuring two inches across. The stems are long and it possesses every characteristic that can be desired in the Sweet Pea. Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 50c, 1 lb \$1.75.

**Dainty (Spencer)** 4033. White with very light pink edge. Pkt 10c, oz 30c, 2 oz 50c, ¼ lb 85c.

**E. J. Deal** 4050. A mammoth white Spencer with a well defined band of carmine at the end. A most charming flower of fine form and substance. Quite distinct and well fixed to type. Pkt. (12 seeds) 25c.

**Florence Morse (Spencer)** 4053. Delicate bluish with pink margin. Very large open wavy form of the best Countess Spencer type, with long stems and four blossoms to the stem. Perhaps better described as a light pink-edged Countess Spencer. Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 50c, lb \$2.00.

**Gaiety (Spencer)** 4057. Light magenta-rose striped on white. Pkt 10c, ½ oz 30c, oz 55c.

**George Herbert (Spencer)** 4058. Bright rose carmine. Large open and wavy form of the Countess Spencer type. Pkt 10c, oz 20c, 2 oz 30c, ¼ lb 50c, lb \$2.00.

**King Edward VII (Spencer)** 4075. The standard is a deep rich carmine scarlet of glossy effect. The wings are also carmine scarlet, and on the reverse side are also a deep rose carmine. Pkt 10c, ½ oz 35c, oz 60c.

**Miriam Beaver** 4084. In shape, size, graceful arrangement on the stem, free blooming and seedless nature, it is in all respects the same as Countess Spencer. Its novelty is its color, a glowing but soft apricot, tinted, shaded and suffused with lemon. A little variation perhaps with a tint of salmon, deeper by a trifle on the back of the standard, but practically a self color. Pkt 25c.

**Mrs. Jos. Chamberlain (Spencer)** 4093. Rose striped on white on both standard and wings. Pkt 10c, oz 30c.

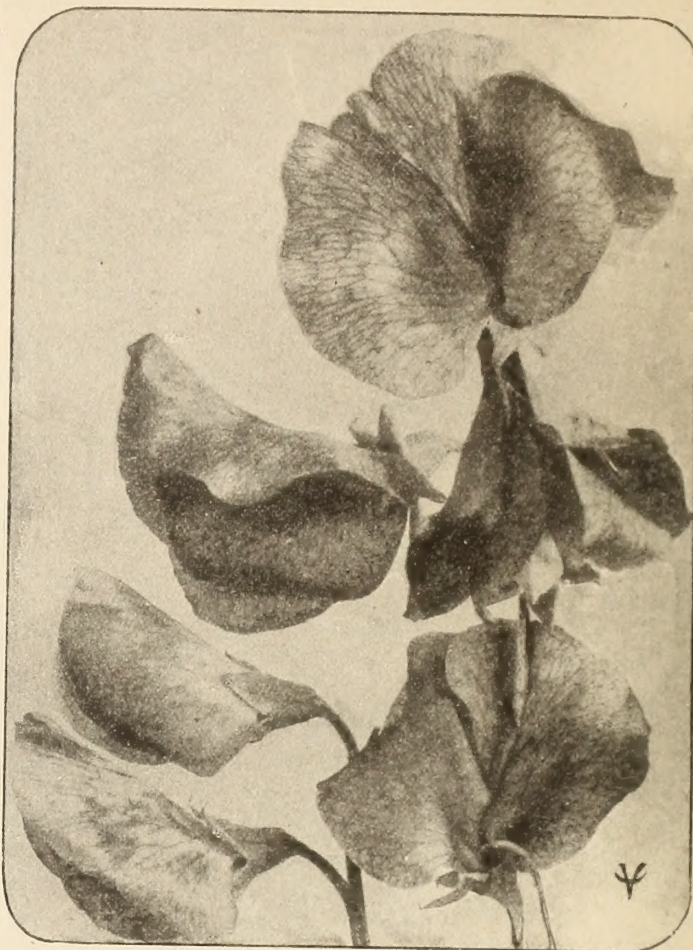
**Mrs. Routzahn (Spencer)** 4095. Buff or apricot ground flushed and suffused with delicate pink, or a very soft rose, deepening towards the standard and wings, giving somewhat of a picotee edged effect. The flowers are of the largest size, thoroughly crimped and waved of the true Spencer type. The standard is broad and deep, the wavy wings are so large that they usually hide the keel and are of the same soft color effect as the standard. Pkt 15c.

**Mrs. Sankey (Spencer)** 4096. A black seeded pure white Spencer of finest type and good size. Pkt 10c, oz 50c.

## Vaughan's Spencer Mixture Sweet Peas

Countess Spencer Peas, including nearly all the varieties offered above. "Vaughan's," which are not compounded from varieties grown separately and in the right proportion of shades and colors. Pkt. 10c, oz 25c, ¼ lb 70c, lb \$2.60.

**Spencer Mixture Ordinary** as usually sold. 4161. We do not recommend this mixture to anyone desiring the highest selection of this class, but it is of excellent value at the nominal price we charge. Pkt 5c, oz. 10c, ¼ lb 20c, lb 65c.



King Edward VII (Spencer)

**Mrs. Walter Wright (Spencer)** 4098. Rose purple, self colored, changes slightly to a bluish purple as it fully matures. Pkt 10c, oz 50c.

**Paradise** 4107. Just like Countess Spencer (variety), but of a trifle darker shade of pink. Pkt 10c, oz 15c, ¼ lb 30c, lb \$1.00.

**Primrose (Spencer)** 4111. Pronounced primrose color throughout. Both standard and wings are thoroughly crinkled and waved. Pkt 5c, oz 10c, ¼ lb 30c, lb \$1.00.

**Princess Alice (Spencer)** 4112. Light rosy mauve of Spencer form. Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.00.

**Princess Victoria** 4113. White, bluish and pink edged Spencer. Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.00.

**Queen Victoria (Spencer)** 4121. The flowers are extremely large, of the true waved Spencer type, and have a most pleasing color effect. The background is quite a deep primrose flushed with rose. The flowers are all of good substance, borne three and four on a stem. Pkt 10c.

**Ruby (Spencer)** 4127. Scarlet Spencer. Pkt 10c, oz 50c.

**Sutton's Queen** 4145. Primrose edged in margin with buff and rose. The standard is wavy and the full expanded wings are large and somewhat wavy. The newly opened wings are small and spherical and very distinct for this variety. Pkt 10c, oz 20c, ¼ lb 65c.

**White Spencer** 4155. Flowers absolutely pure white. Standard is waved, crinkled and fluted; 3 to 4 blossoms to a stem. Stems 12 to 15 inches in length. Pkt 5c, oz 10c, ¼ lb 30c, lb \$1.00.

**W. T. Hutchins** 4159. The buds show a decided buff color. The fully expanded flower has the appearance of light apricot overlaid with a beautiful bluish pink. Pkt 25c.

4160. This mixture is like all mixtures offered by us as "Vaughan's," made from separate sorts, and of the best selection of this class, but it is of excellent value at the nominal price we charge. Pkt 5c, oz. 10c, ¼ lb 20c, lb 65c.





84 & 86 Randolph Street, CHICAGO, ILL.

**NOTICE.**—We do not warrant in any way, express, or implied, the contents, or the description, quality, productiveness, or any other matter of any seeds, bulbs or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to the above conditions we make this sale, at the moderate prices at which we sell our goods. Vaughan's Seed Store.

**VERY IMPORTANT.**—Write your name very plainly, and give your Post Office, County and State in full every time.

Your Name..... (VERY PLAIN.)	Date.....1910 AMOUNT ENCLOSED. LOOSE MONEY IS NOT SAFE. State how much money you enclose. Make money orders or checks payable to Vaughan's Seed Store.	Our Order No.
Post Office.....		Please do not write here.
County..... State.....		
Street, P. O. Box or Rural Delivery.....		
Express Office { If different from P. O. }.....	Money Order - \$..... Draft or Check - \$..... Postage Stamps \$..... Cash - - - \$.....	
Gardener's Name.....	Please forward goods by { Mail, Freight or Express. }.....	

**OUR PRICES INCLUDE POSTAGE on Packets, Ounces, Quarter-Pounds and Pounds of VEGETABLE and FLOWER SEEDS; also on PLANTS and BULBS, EXCEPT WHERE NOTED.**

**OUR PRICES DO NOT INCLUDE POSTAGE** on Pints, Quarts and larger amounts of Beans, Peas, Sweet and Field Corn, nor on amounts larger than one pound, except where it is marked otherwise.

[illegible]

**"BY FREIGHT OR EXPRESS"** always means that transportation charges are to be paid by the purchaser.

LOVED

PLEASE CARRY OUT THE PRICE OF EACH ITEM.



# PLANT ORDER SHEET

See instructions in  
Catalogue,  
"HOW TO ORDER."

To **Vaughan's Seed Store.**

Amount enclosed, \$..... No goods sent C. O. D. Date.....

**Your Name**.....

.....  
Very Plain.

Our  
Order No.

Please do not write here.

Post Office..... P. O. Box.....

County ..... State.....

Street.....Forward by ..... { State whether to send  
by mail or express.

Express Office..... Name of Ex. Co.....

AMOUNT ENCLOSED.

State how much money  
you enclose.  
Loose Money is not safe.

Money Order, - = \$.....

Draft or Check, = \$.....

**Postage Stamps, - \$.....**

Forward now or about.....

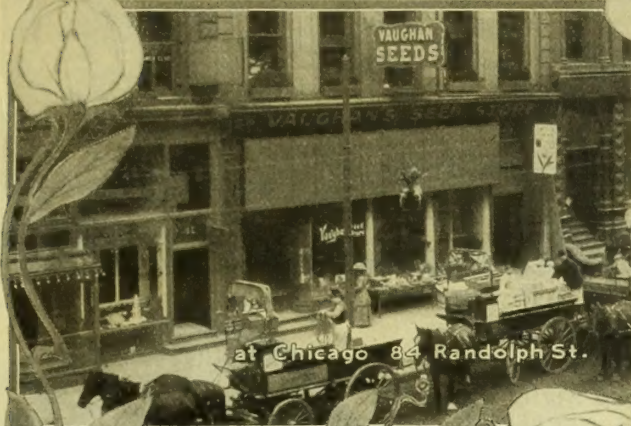
If you do not wish order or any part of same sent before a certain time please insert date for shipping.

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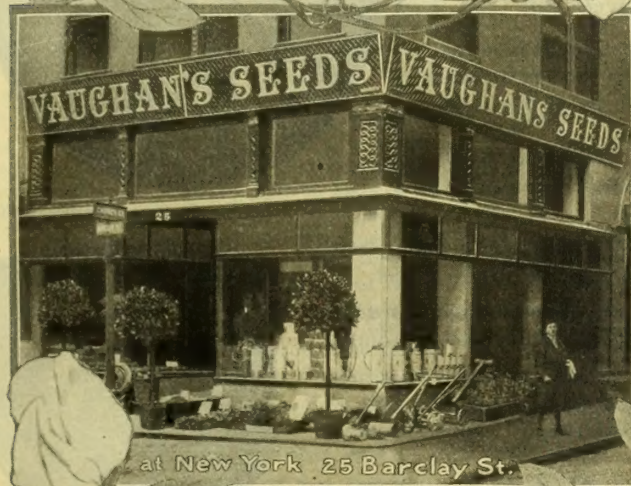


# VAUGHAN'S SEED STORE

## CHICAGO NEW YORK



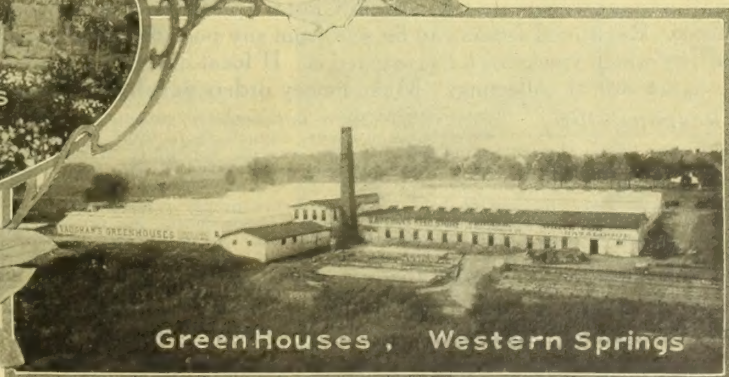
at Chicago 84 Randolph St.



at New York 25 Barclay St.



Nurseries Western Springs



Green Houses, Western Springs

“BACK to the farm” is the cry that is heard now in the land. City and village folk are heeding and flocking to the country. They do well to do so.

But a note of warning should be sounded for them. It is a common fallacy that any man can

“Tickle the earth with a hoe, and it will laugh with a harvest.”

Such is far from fact. A combination of study and practice is as essential in gardening as in medicine.

Town or country dwellers moving into new and unimproved sections in the west or south and unequipped with technical training in tillage or knowledge of soils and crops, must expect to risk reverses and hardships.

The wide experience and technical knowledge of our large staff are at the service of our customers, hundreds of whom every year come personally to us for consultation and advice.

No man will make a mistake in the seeds which he uses or in the crop if he consults Vaughan's Stores at Chicago or New York.

The interest in the city lot, the home garden and the small farm is growing every year.

Gardening contests for children and “grown-ups,” the Neighborhood Improvement Clubs, Flower Shows, Land Shows and World's Fairs, mark the rapid and steady advance of horticultural interests.

Vaughan's Seed Store in its turn has met these conditions with a corresponding growth in its facilities for supplying the demand for new and better seeds, plants, trees, implements and fertilizers; and from its great stores, warehouses, greenhouses and nurseries in Chicago and New York, it now sells

**Everything that grows and makes to grow.**

Our trial grounds have been extended so that we have a better check than ever before on our seed and bulb stocks, both home and foreign grown.

Our shipping facilities, especially for perishable products, have been materially increased to minimize delay during the rush of the spring season.

Our New York store has been much enlarged to accommodate the growing trade of our greatest town.

We are ready as never before to provide for all the gardening needs of the whole country, with a maximum of efficiency at a minimum of cost.





*Partial View of Vaughan's Trial Grounds at Western Springs, Ill.*

## **Suggestions to Customers in Ordering From This Catalog**

*A reading of the following will prove an aid to you and to us:*

**Early Orders:** Our rush season comes in the months of March and April. Orders sent at once secure prompt shipment from our full stocks.

**How To Order:** Write your name, postoffice, state and express office plainly with black ink, on every order, and every time you write to us. Give plain express, mail or freight directions; where none are given, we route the same at buyers' risk.

**Use Order Sheets:** The use of our order sheets enclosed in this catalogue is a great help to us in facilitating filling and shipment of orders. One order sheet is for seeds and bulbs, the other for plants, shrubs and trees. Instructions for use are on the sheets. More will be sent on receipt of a postal asking for same.

Vegetable Seed Orders should plainly state quantity before the name of the variety.

Flower Seeds may be ordered by number, always giving quantity.

Plant orders should give **quantity, variety and size.**

**Keep A Copy Of Your Order:** Check goods received with this copy. Sometimes items are sold out or will follow later, in which case a slip is enclosed with other goods or notice sent.

**Mistakes:** These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

**Orders Are Promptly Filled:** Or in case of delay, notified by postal card. If you do not hear from an order sent us, within a reasonable time, send us a duplicate order covering date of order, amount of same and form of remittance, your name and full address. If you cover these points in your first letter, a long delay is often saved in tracing.

**Freight or Express:** All express lines in the United States and Canada carry seeds and plants at the special reduced rate of 20 per cent less than general merchandise rates. On moderate sized orders we advise express shipment rather than freight.

**Our Terms:** Are strictly cash with order. We prefer not to send C. O. D. but if wanted by that method, customers should enclose  $\frac{1}{4}$  of the amount in remittance with order.

**How To Send Money:** Send cash with order (as we do not open book accounts for small amounts, and can only send to the value of money received), by New York or Chicago Draft, Registered Letters, or Postoffice or Express Money Order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer large denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail, by which you know it has reached us. If local checks are used 25 cents must be added to cover the cost of collecting. Make money orders payable to "Vaughan's Seed Store."

**Our Responsibility:** It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. [Or seeds may be returned. See below.]

We wish it understood that all our seeds are sold under the following general non-warranty:

**We do not warrant** in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter, of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions, we make this sale at the moderate prices at which we sell our goods. **VAUGHAN'S SEED STORE, Incorporated.**



*S. A. F. Medal for Gardens, Chicago, 1908.*



*Grand Prize for Cannas, St. Louis, 1904.*



*Gold Medal for Pansies, Buffalo, 1901.*



*Highest Award for Pansies, Chicago, 1893.*

**CHICAGO:**  
84-86 Randolph Street

**VAUGHAN'S SEED STORE**

*Greenhouses, Trial Grounds and Nurseries, Western Springs, Illinois.*

**NEW YORK:**  
25 Barclay Street.



# VAUGHAN'S NOVELTIES *and* SPECIALTIES

## *in* VEGETABLE SEEDS

WE offer on the following yellow pages of this catalog such new and old varieties of vegetables as we believe after trials on our visits to growing fields, to merit special attention. Our descriptions we have endeavored to make fair, not exaggerated or misleading. We try the majority of the hundreds of so-called novelties offered the seed buying public—and our customers may rest assured any new vegetable of extraordinary

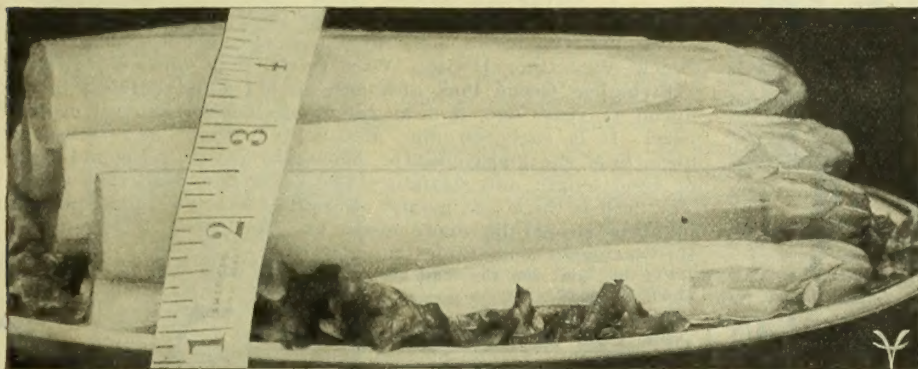
merit will be added to our list as soon as we are convinced of its real merit. We call particular attention to the following novelties: **Early Iowa Sweet Corn**, **Carpinteria Pole Lima Bean**, **Vaughan's Monster Stringless Wax Bean**, **HOODOO Muskmelon**, **Fill Basket Spinach**, **Bonny Best Tomato**, **Laxtonian** and **Little Marvel Peas**.

### EARLY LEVIATHAN LIMA

#### *The Best Early Pole Lima Bean*

In the Northern States it is necessary, on account of early frosts, to have a very early Lima Bean. Of all the early varieties of this vegetable the Early Leviathan is the most satisfactory. As early as any, its pods are of great size, the equal in this respect of the main crop varieties, and these well-filled pods are produced in quantity, usually clusters of five to eight pods. The flavor is excellent. To those who have been growing the Sieberts and Early Jersey Lima this new sort will certainly prove a treasure.

Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), 2 quarts 65c, ½ peck \$1.10, peck \$2.00.



### ASPARAGUS—BONVALLET'S GIANT

The most vigorous and healthy of all varieties of Asparagus and the best for both home and market use. In those localities where once tried, this sort soon displaces all others.

It originated with the P. A. Bonvallet Co., at Wichert, Ill., and was selected from a healthy and vigorous plant which remained after the rest of several fields of "grass" had been ruined by Asparagus rust. While not immune from rust, this variety on account of this vigorous growth and strength withstands this disease much better than any other variety.

In color the shoots are purple tinged when grown in the usual way, but is pure white when planted deep and cut for White Asparagus. Yields much longer in season than most kinds, as its crown does not divide. Flavor the finest.

ROOTS, 2-year-old, doz 25c (by mail 33c), 100 \$1.75 (by mail \$2.25), 1000 \$12.00 by express only. 3-year-old transplanted plants for forcing, by express only, doz 50c, 100 \$3.00, 1000 \$25.00.

SEED, pkt 10c, oz 15c, 2 oz 25c, ¼ lb 35c, lb \$1.25.



### NEW GREEN-SEEDED POLE LIMA "CARPINTERIA"

#### *The Most Perfect Pole Lima Bean*

The distinctive feature of this new bean is the green tint on the bean, which color it retains in the dry or ripe state to a greater extent than usual. The green color in Lima Beans is indicative of fine quality, and this new sort possesses the desirable qualities looked for in Pole Limas more than any other Pole Lima Bean now before the public. Prolific as any White Lima; the vines are very strong, vigorous in growth, with many large runners or branches on which are produced an immense quantity of pods, filled with three to four, usually four, large, broad beans.

The seed or bean is broad, much thicker than the ordinary Pole Lima, and comes nearer to having every bean perfect than any other Pole Lima.

The Carpinteria Green Seeded Large Lima originated with Henry Fish of Carpinteria, California, in 1906, as a sport in a crop of Bush Lima Beans. Mr. Fish recently produced two notable Dwarf Bush Lima Beans.

Pkt 15c, pint 45c (by mail 53c), quart 75c (by mail 90c), 4 quarts \$2.75.

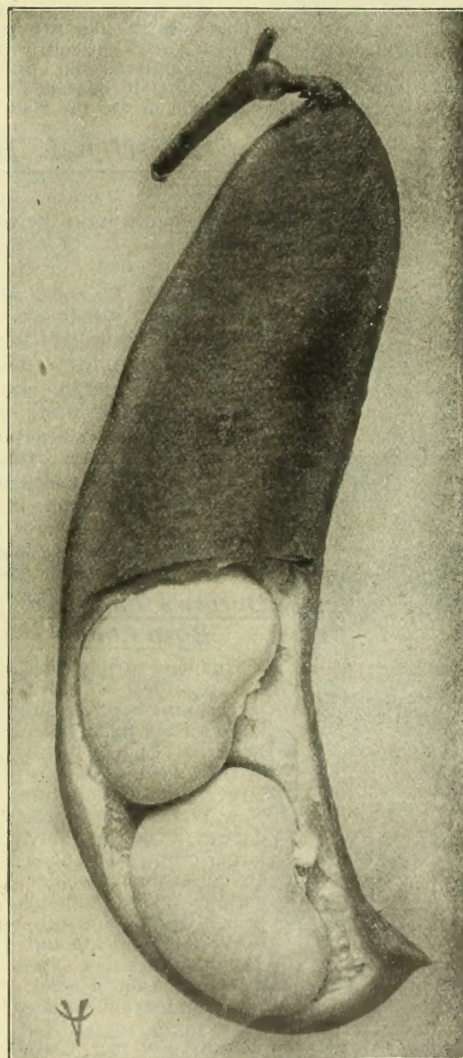
### NEW BUSH WAX BEAN—Vaughan's Monster Stringless

The largest podded and best quality of all the Wax Bush Beans. Entirely stringless; the pods grow to the size of a pole bean. On heavy rich prairie soils this variety is ideal. For full description and colored illustrations from nature, see the back cover page of this book. Pkt 15c, pint 25c (by mail 33c), quart 45c (by mail 60c).

### "FULL MEASURE GREEN POD" BEAN

A stringless round green podded Bush Bean. A new variety of main crop season that fills a long-felt want for a stringless and green podded bean. Somewhat later than Stringless Green Pod; planted with that variety, it yields a crop which will come in later in succession with that sort. The round podded green bean is much preferred by planters over a flat pod sort. The vines of this variety are strong and very productive; the pods are perfectly round, about five inches long, quite straight, entirely stringless and of the best flavor, tender and firm.

Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), 2 quarts 60c, ½ peck \$1.00, peck \$1.85.



CARPINTERIA POLE LIMA, Natural Size



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910



STRINGLESS GREEN POD BEAN

## KENTUCKY WONDER WAX POLE BEAN

The quality of this new, golden yellow podded Pole Bean is the best of the Wax Pole Beans. The habits of vine and pods are similar to those of the Old Kentucky Wonder Green Pod variety. However, the quality is superior in every way. It is a very prolific sort, begins to bear when scarcely higher than the average bush bean and keeps on producing until killed by frost. Pods are so fleshy that they are frequently greater in thickness than in width, are entirely stringless, and when cooked are of a delicious rich flavor. In our trials we liked this the best of all the wax pole beans.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), by express ½ pk \$1.10, pk \$2.00.

## FORDHOOK BUSH LIMA

This new "Potato" bush lima is a great improvement upon the old Kumerle or Dreer Bush Lima. In its form of growth this new variety is stiffly erect, whereas the older kinds grew low and spread out, the pods often being discolored from lying on the ground. The season is early.

The plant is extremely prolific, and the pod, twice as large as the Kumerle Bush Lima, contains four or five large beans, themselves much greater in size than those of the old variety. Finally, in quality this novelty produces green beans which are tender, juicy and sweet, in contrast to the dry and mealy character of the potato type.

Pkt 10c, ½ pt 20c (by mail 25c), pt 35c (by mail 43c), qt 60c (by mail 75c).

## Burpee's Improved Bush Lima

This new variety may be regarded as the largest and best of the large seeded Bush Lima Beans. The vines of these Beans average larger in size than the New Wonder, and produce a considerably larger crop. The pods are larger than the older varieties and contain beans which are proportionately thicker and

Fordhook Bush Lima

longer than those of the older varieties. The quality is excellent. In season a week earlier than the New Wonder or Burpee Bush Lima. Pkt 15c, ½ pt 20c (by mail 25c), pt 35c (by mail 43c), qt 60c (by mail 75c), 2 qts \$1.10, 4 qts \$2.00.

## STRINGLESS GREEN POD BEAN

We are again listing this variety on our specialty pages to call attention to our garden seed beans. We have been growing for the past four years, besides many other particular and popular varieties of vegetables, a number of the kinds of beans demanded by the most critical trade. We have done this on our farms in Shiawassee County, Mich. The growing is in the hands of an expert and the careful selection practiced is now shown by our stock designated as Vaughan's Special, which are absolutely unsurpassed.

Among the bean varieties we now offer as Vaughan's Special Stock may be mentioned, Stringless Green Pod, Longfellow, Black Valentine, Hodson Wax, Davis Wax and Wardwell's.

Stringless Green Pod, although an old standard sort, introduced 15 years ago, it is as yet unexcelled for general usefulness. It is early, prolific, and being without any string or fibre, is of the finest quality. The pods are of the round type, of good length and straight. The color is a deep rich green. The flesh is thick and meaty. For the kitchen garden repeated planting should be made every two weeks until September; this furnishes a continual supply.

Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), ½ pk 90c, pk \$1.60, bu \$6.00.

## New Pole Bean, Burger's Stringless

For Northern growers, this is the best Green Pod Pole Bean. The pods are long and absolutely stringless, with a flavor equal to the Bush Bean. The beans themselves are small and white, being good for baking after the pods have become too ripe.

The vines bear for a long time, thus producing a continuous crop. This Bean has the advantage over other Pole Beans in not having a long vine so it may be grown on brush instead of on a pole.

Pkt 10c, 2 for 15c, pt 20c (by mail 28c), qt 35c (by mail 50c).

## "IDEAL" POLE LIMA Don't Miss This One

A selection from the White Lima and one of the best main crop Pole Lima Beans. The pods are of immense size, some reaching eight inches in length and are produced in large clusters. The vines are remarkably productive. The beans are large, fat and tender. For market use with the exception of our new Carpinteria Pole Lima we regard it as the best variety for use in the Central states, where a main crop pole Lima will mature.

Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 65c, ½ pk \$1.15, pk \$2.25.

Burger's Stringless

## NEW RED CABBAGE—Vaughan's Black Diamond



CABBAGE—VAUGHAN'S BLACK DIAMOND

The best second early, hard heading black red Cabbage. The heads are of medium size, have only two outer leaves and have all the hard heading keeping qualities of the Glory of Enkhousen a like sort in White Cabbage.

In Europe where this new sort originated it is unusually popular and is regarded as the finest early red Cabbage. Our customers who have tried it are very enthusiastic for its combination of earliness and good keeping quality make it valuable for both the market grower and the amateur. Very sure heading, almost every plant producing a compact hard head. Where space is limited, the fact it has so few outer leaves thus permitting close planting is a desirable feature.

Pkt 10c, ½ oz 20c, oz 35c, ¼ lb \$1.10 lb \$4.00.



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910



CHICAGO GIANT SELF-BLANCHING CELERY

## CHICAGO GIANT SELF-BLANCHING CELERY

A fine new white celery, introduced four years ago by Vaughan's Seed Store. The points in its favor over older varieties are earliness, size and solidity; earlier and larger than White Plume or Snow White; as large as Golden Self-Blanching and of a much better quality than any other white. For early use, this celery may be sown as early as February without causing it to run to seed and with such sowing it can be marketed as early as July 1.

In side by side tests with White Plume, Silver Self-Blanching and Snow White, Chicago Giant has outclassed them all in earliness, flavor, size and solidity of heart; in height it stands usually six inches above White Plume. Its foliage is green and white and the stalks are tender, brittle, very sweet and of a nutty flavor.



Originated as a sport in a block of Giant Pascal. From the first it has run wonderfully true with almost no rever-sions. We are taking particular care of this variety, and are improving it each year. Pkt 15c, 2 for 25c, oz 50c.

## NEW SWEET CORN—EARLY IOWA

The finest first early Sweet Corn now on the market. Almost as early as Malakoff; the ears are much larger—see illustrations on this page showing relative size. Early Iowa is a week ahead of Early Cory and the ears are nearly though not quite as large. It is a real Sweet Corn and the quality is excellent. The stalks are short with little foliage. Ears are eight rowed, usually two ears to a plant. For first planting for market growers and home garden there is no superior.

It originated with one of the most successful market gardeners in the State of Iowa, Mr. W. B. Perry, who has grown it a great many years, always bringing his corn on the market ahead of all his competitors by a week to ten days.



Pkt 10c, pint 20c (by mail 25c), qt 35c (by mail 45c); by express, 2 quarts 50c, 4 quarts 90c, peck \$1.60.

## SWEET CORN—MALAKOFF

The success of this new Sweet Corn has been phenomenal. Each year since we first offered it, our supply has been less than the demand. It is the earliest real Sweet Corn in existence—compared to Early Cory, it is fully a week in advance. Planted May 22, ears are ready by July 4th. The color of the kernels varies from white to pale amber in matured ears. The stalks grow only 3 feet high, and usually bear two or more ears. The ears are small and yet very sweet. It has been necessary to sacrifice size for earliness. On account of its small stalks, this corn may be planted 2 feet apart, thus making up an average yield. This is a Russian variety secured through Prof. Hansen, and we grow it far North to retain its early habit. It is a good money-maker for market gardeners who supply a local trade; where shipped to a large market, however, not recommended, as the ears are too small; as well as the best for early home use.

Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), by express 2 qts 45c, 4 qts 80c, pk \$1.50.

## Early Sweet Corn—GOLDEN BANTAM

The sweetest of all early sweet corns and considered by many as the richest and best flavored of all corn. Medium early in season, about a week later than Cory and two weeks later than Malakoff.

The corn is a golden yellow color, impressing one at first as field corn; as soon as eaten, however, there is an immediate call for more. May be planted at intervals during season for continual table use. Our Seed has been selected especially for table quality. Pkt 10c, pt 15c (by mail 20c), qt 30c (by mail 40c), 2 qts 45c. ½ bu 75c, peck \$1.40.

## WITLOOF CHICORY, French Endive

A few years ago this salad vegetable was almost unknown in America. It is now on the bill of fare of all first-class restaurants. Although mostly imported as yet, it is an easily grown winter vegetable which can be raised in every home.

We have many customers that are growing it successfully and are very enthusiastic about it, for it furnishes a delicious salad in winter when other fresh vegetables are not available.

Plant seed in March or April. Lift the roots in November or December, and store in sand in a cool place until ready for starting into growth in soil in the cellar.

Forcing or growing is done any time from December 15th until spring in good soil in cellars, hot beds or outdoors.

Full directions for planting and care are with each package. Pkt 10c, oz 25c, ¼ lb 60c, lb \$2.00.



EARLY IOWA Sweet Corn



MALAKOFF SWEET CORN



WITLOOF CHICORY

**THE EARLY SWEET CORN**  
Glen Spey, N. Y.—The Malakoff Sweet Corn gave me a lead last year of about 10 days, which I appreciated very much.

Yours truly,

(Signed) JOSEPH MEGAREY,  
Gardener for F. I. Vanderbeck, Jr., Esq.

**AN EXPERIENCED GARDENER**  
Long Lake, Minn.—For the market garden your Early Iowa Sweet Corn is the best extra early I have tried, and I think I have tried them all. Yours truly,

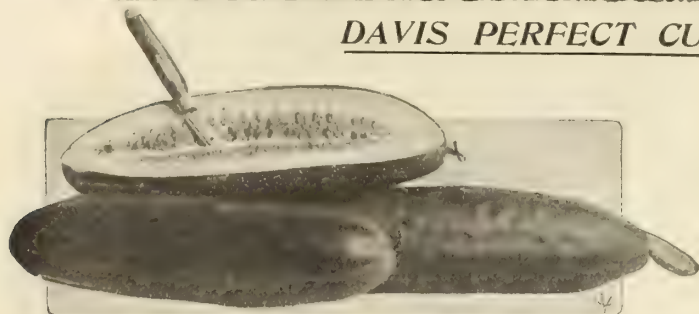
GEO. TONG.

**THE BEST WHITE CELERY**  
Newport, R. I.—Please send two packets Chicago Giant Celery, the same as I received from you last. This is the finest Celery I ever grew. JOHN MAHAN,  
Supt. for H. B. Auchincloss, Esq.



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910

## DAVIS PERFECT CUCUMBER—Nothing Better for Slicing



DAVIS PERFECT CUCUMBER

## VAUGHAN'S CANTALOUPE HOODOO

This has never been a hoodoo for those who grow it. On the contrary, a better melon everywhere than the Netted Gem (or Rocky Ford). It may well claim the name **HOODOO** as indicating the effect it has on other melons. When a prime consignment of this one strikes a good market all the other kinds are promptly Hoodooed.

It is the triumph of the grower in breeding for these points—uniform size, closeness of netting, roundness of form, tough rind, blight resisting. It retains the high quality of the Paul Rose. A grand shipper to distant markets, never breaks down.

**Quality**—The flesh is of fine grain (not stringy) and of the sweetest flavor. **HOODOO** melons from Michigan points bring the highest prices on the Chicago market, in competition with the whole United States.

**Size and Shape**—The size of **HOODOO** is just right (about the same as Rocky Ford) so that it may be served cut in halves. In shape somewhat more round than the Rocky Ford Gem, a fine feature in packing for shipment.

**Flesh and Color**—The flesh is of deep orange color and extremely thick, there being only a small seed cavity.

**As a Shipper**—The netting is ideal, heavy and close; the melon solid and heavy and firm at the blossom end. It is absolutely without a superior in shipping to distant markets.

**Prolific**—A wonderfully prolific melon, which nearly always even under unfavorable conditions, produces a fine quality melon quite early in the season. It also withstands blight much better than other varieties.

Pkt 10c, oz 25c, ¼ lb 70c, lb \$2.50.

**Milwaukee Market Muskmelon**—Almost identical with 'Honey Melon.' Is one of the sweetest of the orange-fleshed varieties.

Pkt 10c.

See Page 37.



AILS CRAIG ONION

The most popular cucumber in the northern states of the extra long, white spine type. The Davis Perfect fulfills the requirements of the demands for this type better than any other variety. It is a selection made by a veteran outdoor and greenhouse grower of cucumbers, and combines the most desirable features, length, slimness and dark green color, at the same time being extremely vigorous and productive. On account of its remarkable vigor is a better blight resister than the other long sorts. Since its introduction four years ago it has become in the north the most popular variety of all the extra long, white spine cucumbers, both for indoor and outdoor planting.

Our Seed has been most carefully reselected each year and our seed field the past season was an extraordinary sight, immense fruit uniform in size, shape and color.

**Regular Seed, Pkt 10c, oz 20c, ¼ lb 50c, lb \$1.75.**

Stock Seed for greenhouse planting saved by the originator Mr. Eugene Davis, of Grand Rapids.

**Stock Seed, Pkt 20c (2 for 35c), ½ oz 75c, 1 oz \$1.25.**



VAUGHAN'S CANTALOUPE HOODOO

## AILS CRAIG ONION—Vaughan's Selected Stock

One of the largest of onions. It is a very handsome, oval shaped variety with pale straw-colored skin; twelve bulbs have been known to weigh thirty pounds. In England it is the most popular large onion grown. For exhibition it is unexcelled—always giving under the same conditions much larger and more shapely bulbs than the Prize-taker. To attain its largest size it should be sown early in the spring in the hot-bed and later transplanted to open ground.

The Onion is very productive, is a good keeper for a large onion, and for those who like an onion raw we highly recommend it on account of its mild and acceptable pungent flavor. Market gardeners who grow this sort box them and compete successfully with the imported Spanish Onion. We believe when this variety is better known it will rank among the most popular sorts. Our seed is grown from English Prize-winning stock. Pkt 15c, 2 pkts 25c, oz 35c.

## WHITE WELSH ONION, for Green Onions

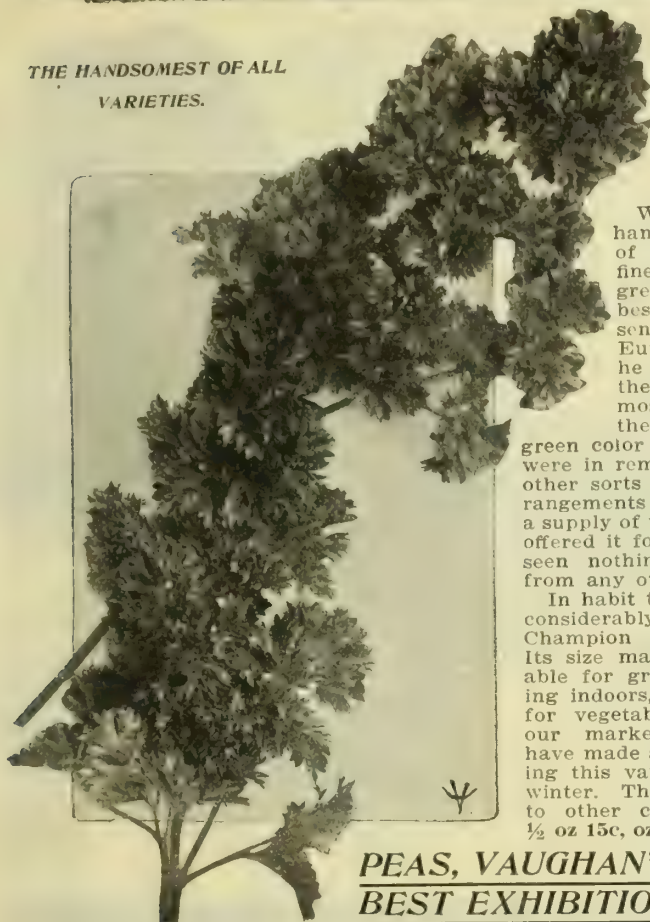
Early green or bunch onions are usually produced from top sets requiring a great deal of labor and expense in planting. The White Welsh Onion may be drilled in like any onion seed with one-third the trouble and expense. The plant is perennial and hardy, so may be left in the ground for years, with but slight protection. Maximum results, however, are obtained by treating as an annual. Sow in spring or fall.

Pkt 10c, oz 25c, ¼ lb 60c, lb \$2.00. It is a money maker.



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910

THE HANDSOMEST OF ALL  
VARIETIES.



## VAUGHAN'S NEW XXX PARSLEY

We consider this the handsomest of all varieties of Parsley. Leaves are finely curled, very dark green and its flavor the best. When our representative was traveling in Europe a few years ago he found this variety in the trial bed of one of the most famous growers there. Its wonderful dark green color and exquisite curliness were in remarkable contrast to the other sorts in the same field. Arrangements were at once made for a supply of this seed. We have now offered it for three years and have seen nothing as nearly as good from any other source.

In habit the plant is very dwarf, considerably more so than the Champion Moss Curled Variety. Its size makes it extremely desirable for greenhouse or pot planting indoors, also as a neat border for vegetable gardens. Some of our market gardener customers have made a very good thing growing this variety in greenhouses in winter. The flavor is very superior to other curled sorts. Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 75c, lb \$2.50.

## PEAS, VAUGHAN'S BEST EXHIBITION

A variety slightly later in season than Telephone. Vines tall and should be brushed or trellised. The pods are the largest we have ever seen grown. They contain 8 to 10 Peas of the very best flavor. In trial with some fifty other kinds of tall peas VAUGHAN'S BEST EXHIBITION produced the largest and handsomest pods of any. Crop is very short this year. Pkt 15c, ½ pint 30c (by mail 35c), pint 55c (by mail 63c), quart \$1.00 (by mail \$1.15).

## Vaughan's Perfect Gem Pea

A new second early dwarf. The season is a little later than American Wonder and the vine is taller and more vigorous. The variety does not have to be brushed. The pods are long, 4 inches not being unusual, broad, dark green and taper to a point. This is a remarkably vigorous sort and bears five to seven pods. The Peas are large and in quality superb.

This sort may be planted at the same time as Nott's Excelsior, Little Marvel or American Wonder, and ripens in time to be ready after the other sorts are through bearing.

Pkt 10c, ½ pint 15c (by mail 20c), pint 25c (by mail 33c), quart 45c (by mail 60c), 4 quarts \$1.50, peck \$2.65.

## Vaughan's Magnum Dulce Pepper

This is the largest American variety of Pepper. The fruits are of tremendous size, some growing 7 inches in length to 4 inches in diameter. The flesh is exceptionally mild, sweet and pleasant; so mild that fried like egg plant it makes a most delicious and piquant vegetable for the table.

For maximum yields it is desirable to pinch off the "King Flower," the first ones to open. These flowers usually make the largest Peppers. However, the yield of medium size fruits is increased by such practice. Our seed is grown each year by the originator and is very carefully selected.

Pkt 10c, 2 for 15c, ½ oz 35c, oz 50c.



LITTLE  
MARVEL  
PEA

## PEAS, LITTLE MARVEL

A new early dwarf Pea which is surely going to take a place ahead of the popular Nott's Excelsior and American Wonder sorts. The season is the same as the above mentioned kinds. While the Pods are larger, the Peas are quite similar; they usually run, however, two to a pod more than Nott's Excelsior and are of equal, if not superior flavor. The vines are wonderfully prolific and bear a heavier crop than the two older sorts.

Added features of great value are: pods are a dark green color, and both the pods and the peas keep in edible condition at least a week longer than Nott's Excelsior, which must be eaten within three days when ready.

Pkt 10c, ½ pint 15c (by mail 20c), pint 25c (by mail 33c), qt 45c (by mail 60c), 4 qts \$1.50, peck \$3.00.



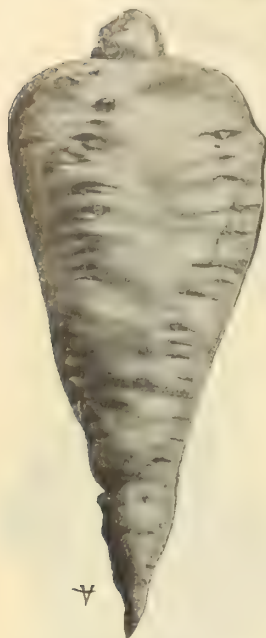
VAUGHAN'S PER-  
FECT GEM PEA



VAUGHAN'S  
MAGNUM DULCE PEPPER  
SHOWING SIX PEPPERS  
FILLING HALF PECK  
BASKET



# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910



VAUGHAN'S  
INTERMEDIATE PARSNIP

## NEW SWEET PEPPER NEAPOLITAN UPRIGHT

A unique sort which will soon become a standard variety. Its chief points of merit are great prolificness and earliness. In these points it is remarkable. The plants are simply loaded with fruit and in the ripening state a block of these Peppers become a mass of red and gold.

It originated as a cross between the Upright Sweet Salad Variety and Neapolitan, with Dr. D. W. Van Fleet, formerly one of the writers for the Rural New Yorker and now with the U. S. Department of Agriculture. In color it has the light green of the Neapolitan, which changes to a waxen red when ripe. For earliness, earlier than Neapolitan; equally as large and more productive. Vine grows similar in habit to Upright Sweet Salad and the fruits are borne upright instead of pendant. We have carefully selected this variety and it is now very well fixed.

Price Pkt 20c, 3 for 50c.

## VAUGHAN'S INTERMEDIATE PARSNIP

There has long been a demand for a parsnip which would not require the depth of soil necessary for the successful culture of the older varieties. This new sort Intermediate has been bred for this special purpose. Although of equal quality and flavor to the old sorts, the roots of this variety are only one-half to two-thirds as long when grown under ordinary conditions. On heavy or clay soils it should prove especially valuable. Intermediate Parsnip is an English introduction and in that country it has attained considerable popularity. Its short length in years of drought and in hard soil makes it much more easily harvested and of better appearance. Pkt 10c, oz 20c, ¼ lb 50c.

New Sweet Upright salad Pepper. See page 47. Is sweet, early and prolific.

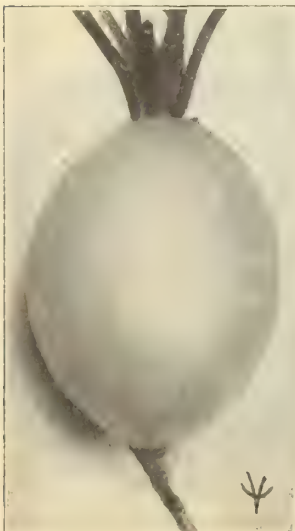
## RADISH

### Vaughan's Olive Crystal

The mildest and sweetest of the summer radishes. It belongs to the early summer class known to Germans as May Radishes. This new variety matures early, grows a very small top and has a small tap root. The color is a clear crystal white; the flesh is as sweet as a nut without any sharpness, yet still possessing the piquant flavor so necessary to a good radish. Olive in shape and the size of a walnut. To those who like the Icicle Radish we can recommend this new variety. Our own trials and the reports of customers prove that for the home garden there is nothing better for summer use in the Radish line.

Pkt 10c, oz 15c, ¼ lb 35c.

For garnishing meats and other table dishes, Vaughan's XXX Parsley has no equal in handsome appearance.



RADISH, OLIVE CRYSTAL

## NEW RADISH "Vaughan's Cardinal Forcing"

This is the handsomest Forcing Radish now on the market. Compared with Scarlet Globe, the radishes run more even in shape, are of a richer dark red color of slightly larger size, and are ready for market three days earlier. The flesh is firm, crisp, of the finest quality and seldom pithy. On account of its remarkable brittleness, this radish sometimes cracks, however this is not a serious defect. Its short leaves require little space. Excels the Scarlet Globe in popularity and market price. The best of all for early sowing in the home garden.

Pkt. 10c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb \$1.25.



## RADISH Improved Early Scarlet Globe

### Vaughan's Selected Stock

A most desirable sort for greenhouse, hot-bed forcing and for out-of-doors; very early, mild, crisp, juicy and tender; top small and stands heat without becoming pithy. One of the best selling and most attractive Radishes on account of its handsome rich bright scarlet color. Is ready in 25 days. Our stock of this is the very best, selected with great care as to size, shape, color and earliness, and market gardeners will find it a moneymaker; it is just right in every respect. We take great pains to have it so and our gardener customers who plant this seed always command the highest market prices. For family use this should be sown every ten days in order to always have a fresh supply. Not as desirable for hot Summer planting, as it loses its shape.

Pkt 5c, oz 10c, ¼ lb 25c, lb 90c, postpaid; by express 5 lbs \$3.25, 10 lbs \$6.00.

We supply tons of Vaughan's selected Early Scarlet Globe Radish to greenhouse growers, who supply the winter market throughout the U. S. Such growers must plant the best.

Vaughan's Cardinal Forcing Radish is particularly suited for those gardeners who have a local fancy trade which appreciates quality and for the amateur who has a greenhouse or hot bed.

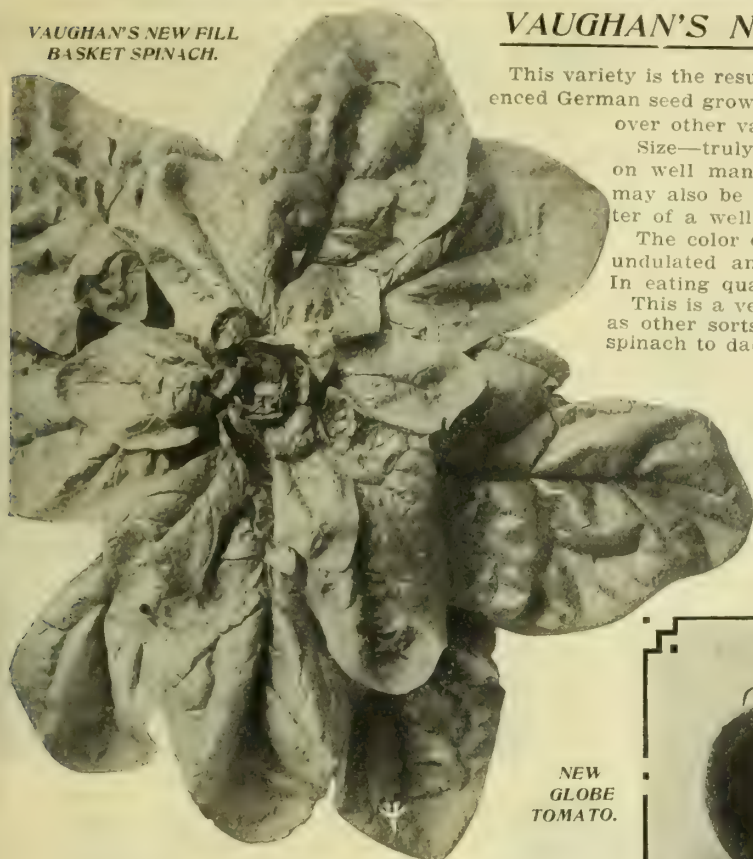
For mid-summer use, sow Vaughan's Sparkler Scarlet Turnip White Tip Radish.





# VAUGHAN'S Vegetable Seed Novelties and Specialties for 1910

VAUGHAN'S NEW FILL  
BASKET SPINACH.



## VAUGHAN'S NEW GIANT FILL—BASKET SPINACH

This variety is the result of many years careful selection by one of the most experienced German seed growers. It is really a remarkable advance in nearly every respect over other varieties now on the market.

Size—truly an enormous plant like one shown in illustration, having on well manured ground reached a diameter of 24 inches. In the cut may also be noted the large amount of leaves which appear in the center of a well developed plant.

The color of the leaves is a glossy dark green. The surface is strongly undulated and a special feature is the extreme thickness of the leaves. In eating qualities the plant is very tender and of good flavor.

This is a very vigorous grower and in spite of its size matures as early as other sorts. It is our strong conviction that this variety is the best spinach to date. Pkt 10c, oz 15c, ¼ lb 30c, lb 70c.

## SPINACH, VAUGHAN'S TRIUMPH

This new Spinach is a very compact grower and withstands hot weather longer than other kinds. The plant is somewhat smaller than older sorts. In habit of growth it is prostrate instead of upright. The leaves are thick, warty and do not wilt or run to seed as quickly as the standard varieties. By its use, the Spinach season may be lengthened a whole month, similar to the so-called "Long Season" variety.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.



NEW  
GLOBE  
TOMATO.

## JUNE PINK TOMATO.

A very early pink Tomato, similar in habit to the Famous Earliana except in color, which is pink instead of red, the pink color being more desirable in most markets. The variety when first introduced produced a large percentage of rough fruits. Careful selection has reduced this loss and now most of our gardener customers who plant it for first early find this variety extremely profitable. A good yielder and quality of fruit is good. The earliest pink variety of Tomato.

Pkt 10c, ½ oz 20c, oz 35c, ¼ lb \$1.10, lb \$3.00.



CORELESS TOMATO.

## TOMATO CORELESS.

A late red Tomato and the most perfect shaped variety yet produced. Requires a long season to mature and is best suited for the Southern and Central states. When bearing, the variety is immensely productive, yielding large clusters of four to seven fruits. A fine late sort for markets that like a red tomato, for the home garden and canners.

Pkt 10c, ½ oz 25c, oz 40c, ¼ lb \$1.25, lb \$4.00.

## TOMATO NEW "BONNY BEST"

As uniform an early Tomato as regards smoothness and evenness in size as we have ever seen. In season it is a few days later than Earliana; while the fruits run larger, nearly every one of which is marketable. Wonderfully vigorous, the vine growth is heavier, which protects the fruits from scalding in the hot sun. In smoothness it is really remarkable, it being almost impossible to find a rough specimen.

The color is an intense scarlet, and for a market garden variety may be planted where Earliana is profitable. It is also a good shipper to distant markets. In the home garden it is superior to any early sort we have yet seen. On account of its great yielding properties and ideal color will surely become popular with northern canners.

The flavor is the very best and on account of its size and firmness, unsurpassed for slicing.

Pkt 10c, ½ oz 20c, oz 35c, ¼ lb \$1.25, lb \$4.50.

## NEW GLOBE TOMATO.

The fruits of this Tomato are large, very smooth; flesh firm with few seeds and has an ideal, glossy, rose color. One of its most desirable qualities is productiveness, in which respect it is hardly exceeded by the enormous yielding "Stone" variety.

At first the variety showed a considerable percentage of flat fruit, but by reason of the careful selection which is being practiced, the variety had improved immensely in this respect and there is only a small percentage now which varies from the true type.

Pkt 10c, ½ oz 20c, oz 30c, 2 ozs 50c, ¼ lb 90c, lb \$3.25.



"BONNY BEST" TOMATO.



# VAUGHAN'S Flower Seed Novelties and Specialties for 1910

THE following are the newer forms of our old Autumn Favorite, the Aster. Inasmuch as this plant has been attacked lately with a so-called "disease," we suggest as a preventive the following: Stir wood ashes in the soil before sowing the seeds and before planting in the open. The soil about each plant should be watered several times during the season with tobacco water.

## ASTER AMERICA

398. The flowers are of the largest size, on very strong, stiff stems. In color it is much darker than the Daybreak, quite resembling the shade known as old rose. Pkt 15c.

## ASTER CREGO

Flower is a giant in size, many blossoms being fully six inches in diameter. The petals are nearly double the length of those of the older varieties and are twisted and curled in such a manner as to give the blossoms a beautiful fluffy appearance.

402 Pink, 403 Rosepink, 404 White, each, Pkt 25c.

## ASTER SMITH'S PEERLESS

415. A beautiful white variety developed by the well known chrysanthemum specialist. Strong grower and makes excellent cut flowers. Pkt. 25c.

## ASTER EARLY UPRIGHT WHITE (See Illustration.)

481. Plants grow compactly and send forth long, straight, stiff flower stems which stand almost erect. Plants are vigorous, and although they possess considerable foliage, there are very few side shoots to sap the vitality of the flower stems. Each plant will yield from eight to twelve flowers. For an early variety the flowers are usually large and have a solid, compact appearance. Crown is completely covered; petals are of medium length and give the flowers a decided ball-shaped appearance. Pkt 25c.



CALLIOPSIS "TIGER FLOWER."

## Aquilegia Hybrid of Coerulea Double White

foliage, remarkable by its early blooming and above all very long lasting. Large flowers, very erect, very full, in which it is not uncommon to meet up to five series horns chasing in to each other and have a delicate pure white coloring, slightly washed with light lilac at the extremity of the long spur. Pkt 25c.

## Aquilegia Long-Spurred, Rose Queen

322. Freely branching and with the characteristic elegant Columbine foliage, the plants produce on long and slender stalks a great profusion of graceful long-spurred flowers of light to dark rose with white center and yellow anthers; a most delicate and beautiful combination of color. Pkt 15c.

## Begonia Semperflorens "Salmon Queen"

741. Striking and distinct new color of the B. semperflorens class. While the buds show a bright red, the flowers in full bloom, 1½ to 1¾ ins. in diameter, are of a brilliant salmony-red passing to salmony-rose. The plants attain a height of about 12 inches, foliage dark green with a reddish metallic hue, brown on the reverse side. Pkt 20c.

## Calliopsis Radiata "Tigerflower"

847. New dwarf compact variety, 6 to 8 inches in height, producing an abundance of bloom during the whole summer. Flowers large, reddish brown, at the points golden yellow. Orchid-like flowers, with twisted petals. Pkt 15c.

## Campanula Longistyla

874. The flowerstems, loosely branched from the base, attain a height of about 3 to 3½ ft. Flowers numerous, of a lovely violet-blue, drooping, 1½ ins. long, 1¾ ins. wide, lobes broad, slightly recurved. Style club-shaped, longer than the corolla. Pkt 20c.

## GIANT WHITE CENTAUREA Centaurea Americana Alba

1046. This native annual flower is also known as the Star Thistle. It grows to a large size in one season and the immense heads of double fluffy blooms are quite as showy in flower borders as peonies or hollyhocks. The color is almost pure white. The stems shoot up from one to three feet, sturdy and strong, branching near the ends and every branch bearing a bloom.

It is an excellent plant for cut flowers, the flower lasting several days when cut and the stalks being long and wiry. Pkt (35 seeds) 15c.

1047. Centaurea Americana Mixed (pink and white). Pkt (100 seeds) 10c.

## ASTER ROSE KING

482. A particularly pleasing shade. It is a brighter, more brilliant color than Rose Branching. It possesses all of the characteristics of a good Aster; vigorous in habit, with stems frequently two feet in length. A good keeping variety and unsurpassed for cutting. Pkt 15c.

## ASTER ROSE GIANT

483. A superb upright growing variety, producing its extremely large flowers on very long, stiff stems. The habit of the plant is quite perfect, having but few and in most cases no lateral branches, thus throwing the entire vigor of the plant into the main stems. The flowers are of a beautiful deep rose color. Pkt 15c.

## ASTER SPLENDOR

511. Upright Flesh Pink. The plant has the ideal habit of an upright growing sort. Very seldom are there any lateral branches. The stems are long, stiff and always hold the bloom in a perfectly upright way. Pkt 15c.

## ASTER UPRIGHT PURPLE

512. A single plant of this variety is an immense bouquet in itself. The flower stems are so numerous that when in full bloom, the entire plant is literally covered with medium-sized flowers which are of a rich purple. Although the flowers are not large, they make full compensation for this in the quality of the flowers and number of blooms to the plant. Pkt 15c.

## ASTER MIKADO PINK, ROCHESTER

501. The official flower of the city of Rochester, New York. Belongs to the Comet class. Petals are narrow, very long, and gracefully reflexed. The outer petals show to their full extent, while gradually toward the center they bend and curl across each other in such magnificent disorder as to make the fluffiest Aster we have ever seen. Color is an exquisite shade of lavender pink. Pkt 25c.

## ANCHUSA BUGLOSS

204. A well recommended novelty of easy cultivation. Straight and branching stems covered from May to August with numerous and wide star-flowers, intense blue colored of great decorative effect in beds or borders. Pkt 25c.



ASTER EARLY UPRIGHT WHITE.



RARE GIANT WHITE AMERICANA CENTAUREA.



# VAUGHAN'S Flower Seed Novelties and Specialties for 1910



NEW SINGLE CHRYSANTHEMUM.

## COSMOS

### Woodside Early Flowering

#### Northern Grown Seed.

Is the earliest flowering variety in cultivation, beginning fully two months in advance of the Giant strain. Seeds sown in open ground, in early May, will produce blooming plants in July, and continue a mass of bloom until killed by frosts.

1239. Woodside Early Crimson. Pkt 10c.

1240. Woodside Early White. Pkt 10c.

1241. Woodside Early Pink. Pkt 10c.

1242. Woodside Early, Mixed. Pkt 10c.

1232. Lady Lenox. The flowers are of extraordinary size, up to 6 in. in diameter; color, shell pink. The plants are of vigorous growth, 6 to 7 ft. Pkt 10c, ½ oz 25c.

1243. Marguerite. Fringed. Finest mixed. Pkt 10c.

1244. New Striped. These are a distinct and charming new class of flowers with large white centers, and the petals deeply striped with white. Pkt 10c.

## DELPHINIUM

1880. Belladonna. It is the freest and most continuous blooming Hardy Larkspur, never being out of flower from the end of June until cut down by severe frost. The clear turquoise blue of its flowers is not equalled for delicacy and beauty by any other flower. Seed down early the coming spring will produce plants that will bloom freely through the late summer and autumn. Pkt 25c.

1889. Chinense Tom Thumb. "Ultramarine." It reaches the height of about 8 inches, forms broad and well branched bushes and is during all the summer covered with its pretty flowers. The latter are about 1½ inches in size and their most lovely and unique coloration as well as the habit of the plant render it indispensable for bedding and borders. It stands potting very well and then it is a most valuable market plant. May be treated as an annual as well as perennial. Pkt 25c.

1886. Burbank's Selection. Another of Luther Burbank's special selections of the best hardy Larkspurs, one of the most desirable, hardy perennials in existence. Pkt 25c.

1877. Formosum Giganteum. A Giant form of this most beautiful blue, hardy Larkspur. The flowers are a rich velvety indigo and are 2 inches across. Pkt (40 seeds) 20c.

## LUTHER BURBANK'S DAHLIA

1302. This seed is of Luther Burbank's own saving, of which he writes us: "This seed will produce a greater proportion of large, clear, bright-colored, perfect double flowers than any ever before offered; 90% of good flowers can be expected." The colors are salmon, light and dark crimson, deepest purple to maroon and almost black, light straw, deepest yellow and a few white, mostly of the Cactus-type.

Pkt (25 seeds) 25c, 3 for 65c, 5 for \$1.00.

## Chrysanthemums

1125. New Single Early Flowering Hybrids. Single Chrysanthemums have been for several years in favor, but since their flowers open late in fall they had to be brought under glass with the beginning of bad weather in order to develop the flowers to their full beauty. With the introduction of the new single early flowering Hybrids, we present a new race, which with the simplest culture will flower in July, not necessitating treatment under glass or anything like it. The Seeds should be planted in May, in pots or pans and the young plants as soon as they are strong enough should be set out where they are to flower in July.

The flowering period is very lasting, and flowers are developed in profusion, on account of which the early flowering single Chrysanthemums make a good material for beds and groups. The display of colors is immensely rich, and the colors range from the purest white to the deepest yellow, and from the softest pink to dark red in all shades. Besides this there is brown and amber shades represented. Pkt 25c.

## DIANTHUS LACINIATUS FL. PL.

### LUCIFER

1427. The nicely fringed double flowers 1¾ to 2 inches across, are of an intense orange-scarlet, a dazzling color in full sunshine and the most striking of all red flowered annual Pinks. The plants grow 12 to 15 inches high and may advantageously be used for effective flowerbeds. We are certain that the flowers of this new variety will be of the same great value and importance for cutting amongst the annual Pinks, as the bright scarlet flowered variety "Grenadin" has attained amongst Carnations. Pkt 15c.



DELPHINIUM—HARDY LARKSPUR



## Dimorphotheca Aurantiaca

### (The Golden Marguerite.)

1490. A rare and extremely showy annual from South Africa, soon to become a great favorite on account of its very easy culture and beautifully colored flowers. The plants grow 12 to 15 in. high and are very profuse in flowering. Its Marguerite-like blossoms, 2½ to 2¾ in. in diameter, show a unique glossy rich orange gold, which brilliant coloring is rendered the more conspicuous by the dark disc surrounded by a black zone. Well adapted for groups or borders, it produces its pretty flowers very early after being planted out in the open ground in sunny situations and will continue to flower during the summer months. A bed in full bloom is a magnificent sight on bright days. Pkt 25c, 3 for 65c.



BURBANK'S NEW DOUBLE FRINGED SHASTA DAISY.

## SHASTA DAISY

1343. Burbank's New Double Fringed. This new one is an absolute perpetual bloomer throughout the whole year wherever it has a chance. In fact, the blossoms must be cut or it will blossom itself to death. The blossoms can be cut by the armfuls. About one-third will come double, balance extremely large single fringed flowers. Pkt 25c.

## DIANTHUS

1418. Heddwigii "Count Kerchove," Red Diadem Pink. Splendid variety of the Japan Pinks with deep blood red flowers, strikingly marked and veined with velvety black in the most charming fashion. Useful for cutting purposes. About 70 per cent of the seedlings will reproduce themselves true. Pkt 10c.

1445. Plumarius Perfection. (New Feather Pink.) A superb new race of these beautiful hardy perennials, the old-fashioned clove or Feather Pink. The flowers are very large and double, pure white with crimson center and the same color margin around each petal. Pkt (20 seeds) 25c.

## ESCHOLTZIA

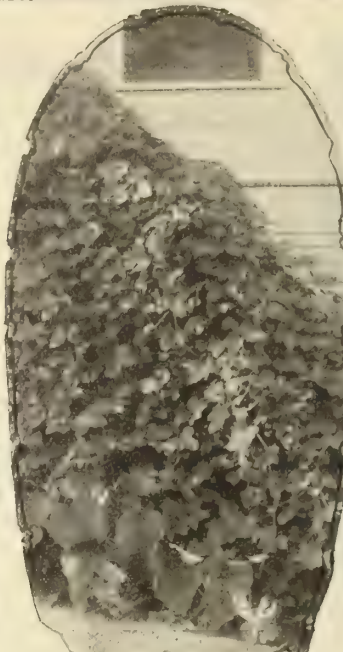
1563. Burbank's New Crimson and Gold. An especially fine addition to this well known family of California popples. Flowers freely. Pkt 10c.



# VAUGHAN'S Flower Seed Novelties and Specialties for 1910



FORGET-ME-NOT, RUTH FISCHER.



CHINESE KUDZU VINE  
Jack-and-the-Bean-Stalk-Vine



HELIANTHUS ANNUUS PALLIDUS  
PLENISSIMUS

3149. Descending from *Helianthus annuus* Primrose this new medium-sized pale sulphur yellow sunflower is fascinating by the equalness of its double flowers which appear on short, straight stems. The plants attain a height of about two yards and produce very few single flowers. Pkt. 10c.

## NEW ANNUAL PHLOX SALMON STAR

2727. A welcome addition to the class of the dwarf hortensia-flowered Phlox so extensively cultivated on account of its vigorous and uniform growth of 6 to 8 inches in height. The flowers, borne in immense trusses, are usually large and of a pleasing salmony rose with a clear white center. Very attractive for bedding. Pkt. 20c.



PETUNIA NORMA

## THE CHINESE BOTTLE GOURD

1696. Many of the visitors to California seed farms are very much interested in the gourds which the Chinese laborers use for carrying their tea to the field. Nearly every man carries his own bottle of tea tied to his back with a strip of bamboo, and he seems to think as much of his own gourd as if it were a silver pitcher. Some of them are ingeniously covered with wicker work, and all of them are provided with a wooden cork and a bowl made from the top of the gourd, attached with a stout cord to the neck of the bottle. Pkt. 10c.

## FORGET-ME-NOT Ruth Fischer

It is of particularly neat and compact habit, and the lovely flowers shoot up strongly over the glossy dark green foliage. Displayed in large combs, they measure about half an inch across, and are therefore larger than those of any *Myosotis* hitherto known. The color is a pure Forget-me-not blue. Ruth Fischer can be easily forced, and not only sells well as a pot plant, but is also excellent for cutting and for planting in hanging baskets. Pkt. (40 seeds) 25c.

## THE FAMOUS CHINESE KUDZU

1868. "Jack-and-the-Bean-Stalk vine" (*Pueraria Thunbergiana*). A vine that will grow everywhere. Flourishes where nothing else will grow, and lasts for many years. The large bold leaves of the brightest green afford a dense shade. Its greatest feature is its wonderfully strong growth, which makes it invaluable for covering arbors, fences, porches, dead or old trees, etc. The Kudzu Vine is a native of China, where it is grown not only for the beauty of the plant, but also for the edible value of its roots. The vine is hardy, grows 50 ft., with dense foliage to the ground. Pkt. 10c.

## DWARF MARIGOLD AURORA

2017. The extra double flowers light in brilliant yellow-flery-red colors and seem to be covered with a pale yellow veil, when regarded from a long distance giving to the whole a most charming and peculiar character. Very suitable for border and bedding purposes, as the habit of the plant is symmetrically dwarf. Pkt. 15c.

## GERBERA JAMESONI HYBRIDA

1661. The starry lightness of these beautiful flowers and their being borne on long and rigid stalks, renders them admirably suited to all kinds of floral decoration and nothing in fact can excel them for arrangements of the highest artistic character. They are most easily propagated by seed, which may be sown at any time in slight heat in small well-drained pots, in sandy peat, which must be kept very moderately moist. It is recommended to place each seed with the pointed end upwards and just peeping over the surface of the soil. Pkt. 25c.

## GLADIOLUS PRAECO

1666. The Annual *Gladiolus*. If the seed is sown by the beginning of March, either in the house or the hotbed, the first seedlings will commence blooming in August, and from that time on new flowers will appear until late in the season. The spikes bear from 3 to 6 open flowers at one time. The flowers are broad and well rounded and measure 4 to 5 in. across. The variety of colors is very great and rich. The seedlings will bloom better if transplanted. Pkt. (200 seeds) 25c, 3 for 65c.

## HELENIUM

1763. *Riverton Beauty*. Lemon yellow with black cone. 3 ft. high, good for borders and wild gardens. Pkt. 10c.

1764. *Riverton Gem*. Of strong growth, 2½ to 3 ft. high. Covered from the middle of August to the end of October with brilliant flowers, which, on opening, are old-gold suffused with terra-cotta, changing as they mature to a wallflower-red. Pkt. 10c.

## LOBELIA HYBRIDA MIRANDA

1948. The foliage is, if anything, more delicate than that of the *Hamburgia* and the flowers appear if possible in still greater profusion, literally covering the plant and its receptacle. Their color is a bright rosy purple, the effect of which is considerably heightened by a sharply defined white eye. Pkt. 20c.

## PETUNIA DOUBLE LARGE FLOW-

## ERING FRINGED GOTELIND

2577. A charming new large flowered Petunia with finely fringed double flowers of very delicate pink on light ground. The seedlings will produce from 25 to 30 per cent of double flowering plants. Pkt. 25c.

## PETUNIA

2586. *Hybrida "Norma"*. Small flowered Petunia forming medium-high, compact bushes covered with numerous blue flowers, regularly star striped with white during the whole Summer. For decorating verandas or for bedding of great value. Pkt. 15c.

2581. *Hybrida compacta "Gloria"*. A very valuable new small flowering variety which will be extremely useful for porch boxes and strong for bedding. The color of the flower which appear in bright profusion, is a bright carmine pink, very effective, and a nice contrast to the rich green variety. The growth of this variety is semi-high and compact, which makes it very valuable for growing in pots. On account of its rich and lasting flowering season, Petunia compacta "Gloria" is extremely adaptable to beautifying the porches and balcony, especially if planted together with Pink Ivy leaf Geranium. Also as a border plant in a sunny position, this variety can be highly recommended, for there is no other Petunia hybrida compacta "Gloria" that will surpass it in richness of flowers. Pkt. 15c.



# VAUGHAN'S Flower Seed Novelties and Specialties for 1910

## NEW VARIEGATED-LEAVED CLIMB- ING NASTURTIUM, QUEEN WILHELMINA

2230. The best of the tall (Lobbs) Nasturtiums, with variegated foliage. The leaves are marbled, streaked and relieved with pure white (not a yellowish white like some sorts). The flowers are rich, brilliant scarlet, which form a most striking contrast with the white variegated leaves. Comes true from seed. Pkt 10c, 3 pkts for 25c.

## PORTULACA PARANA

2869. A new strain of single flowering Portulaca, extremely vigorous and very large-flowered. The color, a reddish-purple is very attractive and the flowers appear in great profusion. Pkt 15c.

## PANSY GOLIATH "GOLDEN QUEEN"

2415. We consider this lovely pansy to be one of the best ever brought on the market. The gracefully formed crisped flowers of enormous size sit on strong and short stems, the color is a pure golden-yellow with three large black blotches. We have no doubt that this beautiful introduction will soon be in all gardens. Pkt 20c.

## POPPY CHARLES DARWIN

2828. This annual Poppy grows 2 to 2½ feet high and is remarkable for the quite new and unique colour of its numerous flowers, the smooth-edged petals being of a strikingly fine rich dark purple, each adorned with a large velvety black spot proceeding from the base. A dense wreath of white anthers produces a fine contrast with the extraordinary color of the petals. Pkt 15c.

## POPPY ADMIRAL

2799. This single, paeony-flowered Poppy is of surprising beauty. It is characterized by large round smooth-edged flowers of glistening pure white, with a broad band of brilliant scarlet around the top, occupying a full quarter of the corolla. Planted in groups the new Admiral Poppy, which comes nearly true from seed, produces a magnificent effect. Pkt 10c.



SALVIA, FIREBALL

## POPPY ALPINUM SEMI-PLENUM

2806. Remarkably nice semi-double varieties of the charming Alpine Poppies, which are now beginning to enjoy a well-deserved favor. The seed produces 50 to 60 per cent of partly double flowers, which, in the early stage especially, look extremely dainty and pleasing in their various hues of white, yellow scarlet and rose. It should not be forgotten that these pretty little plants with their small cut foliage are very suitable for rock-work and for growing in pots. Pkt 20c.

## PRIMULA KEWENSIS

2906. This charming addition to greenhouse primroses originated at the Royal Gardens, Kew. The plant is a strong grower, with bright green leaves, numerous erect flower-scapes, 10 to 18 inches in height, producing flowers in whorls at intervals along their whole length. The flowers are fragrant, bright yellow in color, with a slender tube and spreading limb, nearly 1 inch in diameter. As a winter-flowering decorative plant it is an acquisition. The floriferousness in a very small state is quite remarkable; the spikes are useful for cutting and the flowers continue to open for some time after being placed in water. Small plants in bloom may be effectively used in table decoration. Pkt (100 seeds) 35c.

## PRIMULA OBCONICA GRANDIFLORA FIRE QUEEN

2892. A new addition to this well known and popular family of house plants. Flowers bright red. Pkt 25c.

## SALVIA SPLENDENS, "FIREBALL"

### (Flowering Sage)

2972. Of the many sorts of Salvia now cultivated this splendid novelty undoubtedly is the finest of all. It has larger flowers and is also more free flowering than any other kind. The bushy plant, 20 in. high, is covered with long, broad flower spikes with a great number of flowers of the most fiery scarlet. The plants branch freely and are profuse bloomers, the side shoots often producing 4 to 6 flowering spikes so evenly divided over the foliage and of such erect habit as to hide the foliage. It is the earliest of all, flowering by the beginning of July and continuing until frost. It is easily raised from seed and comes true. This made a grand display in our trial grounds. Pkt 25c, ¼ oz \$1.25.

## SALVIA SPLENDENS ZURICH

2973. Early blooming Flowering Sage. The plants are dwarf and compact and commence to produce their large brilliant flowers when 3 in. high and continue to bloom until killed by frost. Pkt. 20c.

## NEW STOCKS

GIANT ABUNDANCE. 3141. The color of its flowers is a fine shade of carmine rose, very near that of Queen Alexandra. The extraordinary ramification of the plant is caused by the central stem not pushing upwards, but dividing into 12 to 15 sturdy branches which in their turn each produce 15 to 20 side-shoots, forming spikes of magnificent large blossoms. With good culture, transplanting several times and feeding with a little liquid manure, one can obtain gigantic bouquets. Like all the Nice section, this variety can be cultivated either as a summer or as a winter stock, and by sowing early in June it may be had in flower by Christmas. Pkt 20c.

PRINCE BISMARCK, White. 3131. This new stock is of robust pyramidal growth, attains a height of thirty inches, produces many flower spikes covered with large, pure white double flowers. The plants begin to bloom when other ten weeks' stocks have stopped blooming, continuing until late in the fall. The percentage of double flowers is larger than that of any other stocks. Our illustration is produced from a plant that was taken from a closely planted bed. If sufficient room is given, the plants develop to enormous dimensions, forming magnificent bushes with long and large flower spikes. Pkt 15c.

PRINCE BISMARCK, Goldball. 3132. For a cut flower grower this is the best novelty. Bismarck Summer Stocks grow into pyramidal bushes about three feet high, with magnificent flower heads which are very large and canary yellow. It blooms throughout the whole summer and continues until late in the fall. Pkt 25c.

PRINCE BISMARCK, Lavender. 3133. Like the above but a beautiful lavender. Pkt 25c.



NEW STOCK, "PRINCE BISMARCK."

## NEW STOCKS—Continued

BEAUTY OF NICE, Cote d' Azure. 3138. A beautiful light blue, flowers enormously large, set loosely in giant spikes. Pkt 25c.  
BEAUTY OF NICE, Mont Blanc, Snow White. 3139. Very large flowers, growth more slender and flowers earlier than the old Beauty of Nice White. Pkt 25c.

## SWEET WILLIAM

Sutton's Scarlet. 4196. A grand selection from Pink Beauty, of vivid scarlet color, very striking. Pkt 15c.

Johnson's "Giant." 4197. An extraordinary novelty. The individual flower being of the size of half-a-dollar. Besides this, the range of colors includes shades which are not to be found in other strains, and the peculiar and delicate markings on the flowers are most attractive. Pkt 15c.

EVERBLOOMING HYBRID. (Dianthus latifolius atrococcineus fl. pl.) 4198. This beautiful Dianthus is a cross between the China Pink and Sweet William, combining the free and continuous blooming qualities of the former with the hardness of the latter. Color is velvety crimson-scarlet. Blooms freely from seed the first year. Pkt 10c, ¼ oz 25c.

## VAUGHAN'S IMPROVED SCOTCH VIOLA OR TUFTED PANSIES

4313. The Scotch Violas or tufted Pansies are greatly appreciated. Colors range from pale lavender to deep rich purple, with many charming intermediate shades. In light rich soil and a moist situation they will continue to bloom from Spring till late in the Autumn. They are also useful for ribbon borders, where they make a fine display. This new strain produces flowers with "faces," every flower having a distinct face, which puts a remarkable amount of life in a bed of these. Pkt 25c.

Burlington, Ont., Canada.—Last year I got from you seeds of Primula Obconica which were fine. The best I ever saw in Primula Obconica. C. F. Coleman.



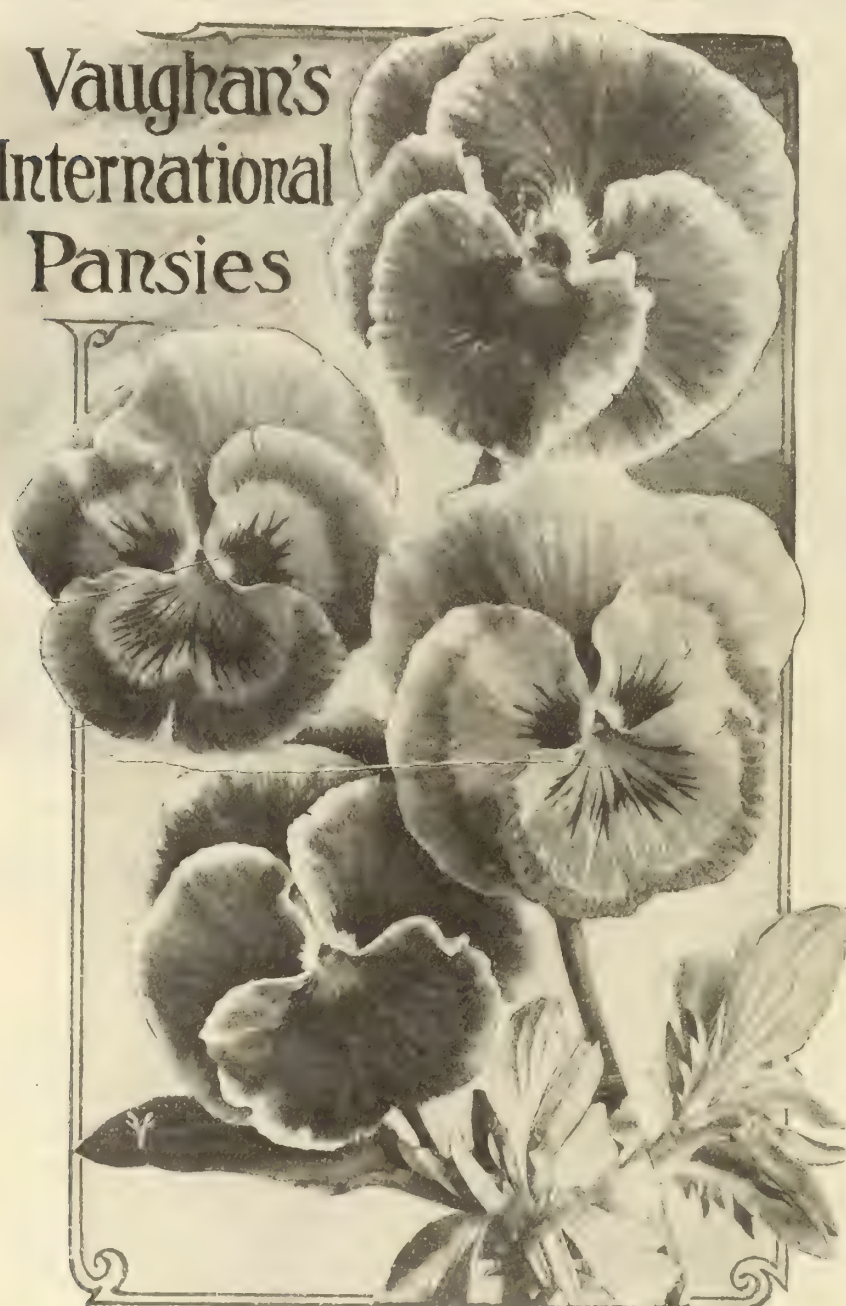
# VAUGHAN'S Flower Seed Novelties and Specialties for 1910

THE WORLD'S  
BEST

Vaughan's INTERNATIONAL Pansies

EVERY SHADE  
AND COLOR

## Vaughan's International Pansies



### UNEQUALED RECORD.

We were awarded the following Medals for  
Vaughan's International Pansies in bloom.

Worlds Fair, Chicago, 1893. Trans-Miss.,  
Omaha, 1898. Pan-American, Buffalo, 1901.

2480—Vaughan's International is, and always has been, literally a "World's Best" Mixture. While searching for the best in every land, we are not satisfied to accept any mixture simply because of varied colorings, but the flowers must come near a high standard of form which we have set, must be composed of well-rounded, perfect-shaped flowers, must show a wide range of colorings and markings, must have thick, velvety petals with fluted or semi-double edges and must stand erect on good stiff stems with healthy, strong growth of plant. While every solid color is represented there is also all possible variations of each one of these. The Whites are blended by stripes, veinings and shadings. The same is true of the Yellows, Purples, Browns, Reds and other distinct shades, besides many shades of Pink, Mahogany, Fire-Colored, Bronze-Gold, etc.



Vaughan's International is, we firmly believe, the best Pansy mixture in existence, because it is composed of the cream of the collections of ten pansy specialists. It contains besides the fancy selections of these growers, seeds of hundreds of separately named colors and types, all carefully blended by ourselves, so we know just what it must produce.

This is one of the specialties that has established the reputation of Vaughan's Seeds, and our customers can readily see why it is our most earnest endeavor to make Vaughan's International Pansy Mixture better than ever. Price, pkt. (250 seeds), 25c.; 3 pkts. (750 seeds), 65c.; 5 pkts. (1250 seeds), \$1.00; per 1/4-oz., \$1.75.

**H**OW to Grow Pansies is the name of a leaflet which we send free (when requested) with every order. It has been prepared by those who are in the "know how" and will increase the chances for the fullest success of everyone who follows it carefully. We supply pansy seed of high germination 12 months in the year.

**Boulogne Giants.** 2382. This is a special selection of a French Pansy grower; the flowers are of the largest size, great substance, fine form and are borne on particularly strong stems. They are mostly 3 and 5 blotched, delicately veined, while the colors are rich and varied. Like all high-bred Pansies they are shy seed bearers. Pkt. (150 seeds), 50c.

**Vaughan's "Elite" Pansies.** 2485. This is not a complete mixture like our International; it does not contain any pure white, yellow or any self colors. It is comprised of the cream of the choicest and most expensive mixtures from four Pansy specialists besides all the new and novel kinds listed on our Pansy pages. Pkt. (350 seeds), 50c.

**VAUGHAN'S  
SPECIAL  
MIXTURES.**

Because the regular flower seed mixtures as imported from the best sources are often improperly balanced in composition of colors and lack in the newer, rarer kinds, therefore we have found it best for our trade to prepare "Vaughan's Special Mixtures" exclusively. We make these up in separate colors from special strains and from the newest, rarest and most exclusive novelties. They are put up separately from carefully calculated formulae, and results are bound to be most satisfactory to the buyer. Remember that seeds can be sown most successfully at only one time in the whole year and the best to be had with the highest germination is none too good for any planter. We advise our customers to use "Vaughan's Special Mixtures" whenever offered in this catalogue.





# VAUGHAN'S Flower Seed Novelties and Specialties for 1910

## VAUGHAN'S 12 BEST SWEET PEAS

We secure each year from English hybridizers their first introductions, often paying as high as \$30.00 per pound. These seeds are planted by our California growers who raise for us thousands of pounds, growing the different varieties in most carefully separated plots, that no mixture may occur. Besides English Novelties we have many new California Seedlings, naming such as are of distinct merit. These pages will show that besides adding all these magnificent novelties in flowers and types, we have not failed to retain all the best of our grand list comprising all colors and shades, which for more than 20 years have made Vaughan's Sweet Peas the standard in this flower everywhere.

California Grown Sweet Pea Seed is the standard everywhere. The question of superiority of any particular grower's stock is merely one of carefulness and skill combined with integrity and a knowledge of the varieties. We have fully verified the above at our trial grounds at Western Springs.

### SHELL PINK. Countess Spencer

4026. A delightfully soft pink, shading a little deeper at the edges of the petals. Its size is larger than any other variety, and at its best the standard is usually two inches across, which is much wider than any other variety. The edges of all the petals, wings and standard are wavy—just enough to give it a graceful, fluffy appearance. The stems are long, often eighteen inches in length. It bears almost without exception four blossoms to the stem, and they all face one way. The blossoms usually fall off instead of setting seed, which accounts for its long continuation of bloom.

Pkt 10c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb \$1.75.

### LAVENDER. Frank Dolby

4052. Pale blue, after the style of Lady Grisel Hamilton but very much larger. Bold wavy standard, like Gladys Unwin. The largest and finest pale blue Sweet Pea. (Sports somewhat.) Pkt 10c, oz 15c, ¼ lb 40c, lb \$1.00.

### BLUSH PINK. Florence Morse Spencer

4053. Delicate blush with pink margin. Very large, open, wavy form of the best Countess Spencer type with long stems and four blossoms to the stem.

Pkt 10c, oz 20c, 2 ozs 30c, ¼ lb 50c.

### CARMINE ROSE. Geo. Herbert Spencer

4058. Bright rosy carmine; large open and wavy form of the Countess Spencer type. Deeper and brighter than John Ingman. Pkt 10c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb \$2.00.

### ORANGE. Helen Lewis

4063. The handsomest of the New Sweet Peas. Silver Medal and F. C. C., National Sweet Pea Society. Very large bright orange-salmon flowers; usually four on a stem.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

### BLUE. Lord Nelson or "Brilliant-Blue"

4078. A magnificent variety. The standard is very large, of richest dark navy blue color; the shaded purple wings are also large and have been pronounced as of a "true deep Oxford blue, the tips of the wings showing a bright gentian blue tint." The plant is a strong grower and profuse bloomer. The flowers are borne three and four on long, strong stems.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

### MAROON. Miss Millie Maslin

4085. Crimson red, of very large size, though hooded type. The shade is very distinct. Pkt 10c, oz 15c, ¼ lb 30c, lb \$1.00.

### YELLOW. Hon. Mrs. E. Kenyon

4066. A clear light primrose flower of large size. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

### MAUVE. Mrs. Walter Wright

4097. This is one of the largest and finest of the lavender colored varieties. The flowers are self-colored, of a pinkish cream tint when first opening, changing to mauve and then to a reddish violet when fully opened. The standard is tall and broad with the edges heavily rolled; the wings are of the largest size. Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.

### BLUE. Prince Olaf

4116. Navy blue striped, open form grandiflora. Pkt 10c, oz 15c, ¼ lb 30c, lb \$1.00.

### SCARLET. Queen Alexandra

4117. A grand new brilliant scarlet sweet pea, introduced by Mr. Eckford of England. It is practically the same shade as Scarlet Gem, but is much larger and has the hooded or shell-shaped standard. There is no red sweet pea that approaches it in brilliancy and it will undoubtedly claim first place for florists' use and for cut flowers generally. The size is large and the stems of good length.

Pkt 5c, oz 10c, ¼ lb 25c, lb 60c.

### WHITE. White Spencer

4155. Produces in the greatest profusion flowers of enormous size that are absolutely pure white. The standard is decidedly waved, crinkled and fluted. The standard measures 1¾ inch across by 1¾ inch in depth. The wings are fully 1 inch wide. The flowers are borne three and four to the stem; the stems measure from 12 to 15 inches in length. The vines are most vigorous in growth and are nearly covered with bloom, while the flowers retain their enormous size throughout the season. Of fine substance, the magnificent flowers are unsurpassed for cutting and for keeping after being cut. Pkt 5c, oz 10c, ¼ lb 30c, lb \$1.00.

## Vaughan's 12 Best SWEET PEAS. SPECIAL OFFER 48 A. One regular size packet each of above (regular price, 90c) 50c net.

SPECIAL OFFER 48 B. One ounce each of above (regular price, \$1.65) \$1.00 net.

4168. THE "12 BEST" SWEET PEAS, MIXED. Per oz., 15c; 2 oz., 25c; ¼ lb., 35c; lb., \$1.25, postpaid.

## Sweet Peas in Mixture

ECKFORD'S LARGE-FLOWERING MIXED. 4163. Contains some of each of the entire list of varieties and cannot fail to give satisfaction. Per oz 5c, ¼ lb 15c, lb 50c.

4164. BUSH SWEET PEAS, mixed. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

4165. DOUBLE SWEET PEAS, mixed. Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

4166. ALL COLORS MIXED. Twenty varieties. By mail, oz 5c, ¼ lb 15c, ½ lb 25c, lb 40c. By express, 5 lbs \$1.40, 10 lbs \$2.50.

### CUPID SWEET PEAS

4167. MIXED. These are low-growing or dwarf sweet peas, about one foot high and spreading to about two feet in diameter. The foliage is dark green and the stems are short, usually from three to six inches long. Pkt 5c, oz 10c.

### Vaughan's Prize Mixture of Sweet Peas

4170. This mixture contains the cream of the new and standard sorts. It is made up entirely of new and separate sorts, carefully proportioned as to its composition and we can safely say: "There is no better general mixture in existence," no matter at what price or under what name it may be offered. Price, by express, ¼ lb 30c, lb \$1.00, 5 lbs \$1.00, 10 lbs \$7.00. By mail postpaid, Pkt 10c, oz 15c, 2 ozs 25c, ¼ lb 35c, lb \$1.10, 2 lbs \$2.00.

### MIXED SWEET PEAS IN SEPARATE SHADES

A bunch of Sweet Peas of pink or white or dark shades or other colors which harmonize together is much more effective than a similar bunch where all the colors are mixed together. For such as prefer to grow the various colors separate we have prepared the following mixtures out of the finest named sorts:

4171A. PINK SHADES. Light to deep pink.

4172. RED SHADES. Bright rose to dark scarlet.

4173. LAVENDER AND BLUE SHADES. Pale lavender to mauve and heliotrope.

4174. PURPLE AND MAROON SHADES. All the dark colors.

4175. WHITE AND PRIMROSE SHADES. All the delicate tints

4176. STRIPED SORTS. Various striped combinations.

Price, any of the above, separate shades, 10c per oz, 25c per ¼ lb, 75c per lb.

4177. COLLECTION of one ounce each of the six separate shades, 40c.





# VAUGHAN'S Flower Seed Novelties and Specialties for 1910



GLADIOLUS PRINCEPS

## PRINCEPS AWARDS.

Award of Merit, Royal Horticultural Society, London, 1901; Diplomas, American Institute, New York, 1901; Gold Medal, St. Louis Exposition, 1904; Diploma, National Society of Horticulture, France, 1908.

## Vaughan's Gladiolus Princeps See Color Plate

Princeps has more than verified, by its wonderful popularity in both Europe and America, the claims made by us in introducing it in 1903. Its wonderful size of flower, perfect shape, brilliant coloring, and artistic form of flower spike are each so notably an improvement over all other varieties, that all combined place it in the front rank. The flowers are 5 to 6 in. broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three broad, white blotches on the lower petals. Spikes 4 ft. in height produce 12 to 15 flowers. The bulb and plant are very healthy, and the flowering continuous.

**First Size Bulbs**, 1 to 1½ in. diam., each 20c, 3 for 55c, doz \$2.00, 100 for \$15.00.  
**Second Size Bulbs**, about 1 in. diam., each 15c, 3 for 40c, doz \$1.80, 100 for \$12.00.  
These are all blooming bulbs, prepaid to any address in the United States.

### What Good Judges Think of "Princeps."

"Princeps surpasses any with which we are at present acquainted." Ph. de Vilmorin.  
"The most magnificent of any gladiolus I have ever seen." L. Burbank.  
"I won 30 First Prizes at the County Fair this season, and to all inquiries I mentioned seed and bulbs were bought at Vaughan's Seed Store, New York City. For two succeeding years I have won First Prizes on 'Princeps' Gladiolus."  
Chas. W. Eberman, Castleton Corners, S. I., N. Y.

## GLADIOLUS MRS. FRANCIS KING New Giant Flowered Gladiolus

Introduced by Vaughan's Seed Store in 1906, it has proven of exceptional value for cut flower use, in vases, show windows, on all dining tables, and in many other places where vases of this beautiful flower are so adaptable. The color is of a very pleasant light scarlet, strikingly attractive, especially so under artificial light. Separate flowers measure 4 to 5 in., and the stalk 5 ft. high, 5 to 6 flowers are open on a spike at one time.

**First Size Bulbs**, each 5c, doz 50c, 100 for \$3.00.

**Second Size Bulbs**, each 4c, 3 for 10c, doz 40c, 100 for \$2.50.

Denver, Colo.—"Your Mrs. Francis King has proven the best of all Gladiolus grown by us. Striking, and very effective both for bedding and store work and selling at double the prices of other kinds." T. D. Long.

Michigan City, Ind.—"I have several dozen bulbs of 'Mrs. Francis King' variety, bought of you, and think they are the most beautiful Gladiolus I ever saw. The flowers measured 4½ and 5 in. in diameter." Mrs. J. F. Kreidler.

**AWARDS:** Certificate of merit, Society of American Florists, Dayton, O. Certificate of Merit, Newport Horticultural Society, Newport, R. I., 1906.

## GLADIOLUS AMERICA See Color Plate

In color it is a soft lavender pink, very light, almost a tinted white, spikes two and three feet long, very large spreading blooms, and luxuriant dark green foliage. It is evidently a favorite with florists already, bringing more than any other variety in the New York cut flower market. When cut it lasts in water a week, the blossoms retaining their vigor and delicate coloring.

**Each 10c, 3 for 25c, 100 for \$5.00.**

"America" was awarded Certificate of Merit by S. A. F., Washington, D. C., 1905; Mass. Hort. Soc., Boston, 1905; by American Inst., New York, 1905.

## VAUGHAN'S TEN NOVELTY GLADIOLUS

**Baron J. Hulot.** Dark velvety purple flower of the Lemoine type, tall and slender, flowers thickly set on spike.

Best blue we have seen. **Each 15c, 3 for 40c, doz \$1.50.**

**Dawn.** Beautiful Shell Pink, slightly penciled in throat. Fine variety for cut flower.

**Each 25c, 3 for 70c, doz \$2.50.**

**Elizabeth Kurz.** A pure white variety with a faint touch of red deep down in throat. Strong grower, straight stem. **Each 50c, 3 for \$1.35, doz \$5.00.**

**Heinrich Kuester.** Large brilliant scarlet flower, vigorous grower. **Each 35c, 3 for 95c, doz \$3.50.**

**Lapageria.** Tall growing, vigorous sort; color, soft carmine with dark stripes. **Each 15c, 3 for 40c, doz \$1.50.**

**Mephisto.** Large spike early flowering, flowers bright scarlet in color, 5 to 6 open at one time. One of the finest reds we have seen. **Each 40c, 3 for \$1.15, doz \$4.25.**

**Margaret.** A vigorous grower, 5 to 6 ft. with a broad foliage resembling Iris. The spike is straight and strong, never twisted or deformed. The flowers are large, beautifully arched and 6 to 8 are open at one time. They are arranged in two rows facing the same way and set without crowding. The coloring fully warrants our endorsement. A brilliant carmine with a large white blotch on the lower petals, the white and carmine blending into a violet tint. A good cut flower; if cut when the first flowers open is unsaleable for ten days. **Each 35c, 3 for \$1.00, doz \$3.50.**

**Mrs. Scott Durand.** Fine vigorous grower and early bloomer. Flowers of extra good substance, wide open, and set in a double row on the stem, all facing one way. Color dark scarlet, similar to S. A. Nutt Geranium having mahogany blotch in throat. **Each 15c, 3 for 40c, doz \$1.50, 100 for \$10.00.**

**Silvretta.** Creamy white with carmine blotches on lower petals, spike strong and tall. Blooms later than most sorts. **Each 10c, 3 for 25c, doz \$1.00, 100 for \$7.00.**

**Velvet King.** Fine dark scarlet similar to old variety Brencleyensis. Veined on two lower petals with a darker color. Vigorous grower. Flower is of good velvety substance and nearly as large as Mrs. Francis King. **Each 15c, 3 for 40c, doz \$1.50, 100 for \$10.00.**

**SPECIAL OFFER B:** One each of above ten NOVELTY VARIETIES, postpaid, for \$2.25.

## OTHELLO Burbank's Purple Leaved Plum

Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree, one of Luther Burbank's creations, of which we purchased the first and only tree in 1905. The tree is an upright grower and a prolific bearer; fruit deep crimson, about 1 inch in diameter, ripening before the very earliest of ordinary plums. The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

With us, the trees have not yet produced fruit, on account of their age, but we have been more than pleased with their vigorous growth, perfect hardness and beautiful foliage, which has been greatly admired by all visitors at our nursery. The Burbank class of plums is known all over the country as early, hardy and prolific. Mr. Herbert Chase of Alabama, an authority on fruits and plants, wrote us in the summer of 1907: "It has better foliage, and is a more vigorous grower than any other plum that I know of. It is much handsomer than Prunus Pissardi, and a much better grower." (See colored plate in this book.)

### PRICES.

**Size A**, 5-6 feet high, each \$1.50,  
3 for \$4.50, doz \$16.00.

**Size B**, 4-5 feet high, each \$1.25,  
3 for \$3.50, doz \$12.00.

**Size C**, 3-4 feet high, each \$1.00,  
3 for \$2.75, doz \$9.00.

**Size D**, 2-3 feet high, each 75c,  
3 for \$2.00, doz \$7.50.

The above prices are by express,  
at buyer's expense.



GLADIOLUS MARGARET



# THREE SPLENDID GLADIOLI

America

Princeps

Mrs. Francis King

## AMERICA

A soft lavender pink, almost a tinted white, spikes two and three feet long, very large spreading blooms and luxuriant dark green foliage. A favorite with florists, on account of its soft delicate color. When cut it lasts in water a week, the blossoms retaining their delicate coloring.

PRICE—100, \$5.00; doz., 75c; 3 for 25c each, 10c.

"America" was awarded Certificate of Merit by S. A. F. Washington, D. C., 1906; Mass. Hort. Soc., Boston, 1906; by American Institute, New York, 1905.

## PRINCEPS

Princeps has more than verified by its wonderful popularity in both Europe and America, the claims made by us in introducing it in 1903. Its wonderful size of flower, perfect shape, brilliant coloring, and artistic form of flower spike are each so notably an improvement over all other varieties, that all combined place it in the front rank. The flowers are 5 to 6 in. broad, the petals are very wide and rounded, well reflexed, forming an almost circular flower. The color is brilliant scarlet-crimson, carrying mostly three broad, white blotches on the lower petals.

PRICES—First Size Bulbs, 1 to 1 1/2 in. diam., each, 20c; 3 for 55c; doz., \$2.00; 100, \$15.00.

PRICES—Second Size Bulbs, about 1 in. diam., each, 15c; 3 for 40c; doz., \$1.80; 100, \$12.00.

## MRS.

## FRANCIS KING

New Giant Flowered Gladiolus.

Introduced by Vaughan's Seed Store in 1906, it has proven of exceptional value for cut flower use. The color is of a very pleasant light scarlet, strikingly attractive. Separate flowers measure 1 1/2 in. and the stalk 5 ft. high. 5 to 6 flowers are open on a spike at one time.

AWARDS. Certificate of Merit, Society of American Foresters, Dayton, O. Certificate of Merit, Newport Horticultural Society, Newport, R. I., 1906.

PRICES—First Size Bulbs, each, 5c; doz., 50c; 100, \$3.00.

PRICES—Second Size Bulbs, each, 4c; 3 for 10c; doz., 40c; 100, \$2.50.

THESE ARE ALL BLOOMING BULBS, PREPAID TO ANY ADDRESS IN THE UNITED STATES



TRADE MARK



## KING HUMBERT, KING OF ALL CANNAS.

This remarkable "Gold Medal" Canna has been the sensation of the past four years. Of all the wonderful flowering and foliage plants introduced, this one takes the lead for size, color and habit. It is a cross between the Orchid flowering and the French or Crozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other; the handsome leathery foliage with a strong, noble habit. It has the broadest leaves. It is so distinctly in advance of any other Canna, that the demand for and use of it must be universal. We have taken the highest awards with it wherever shown in competition. For it we received a gold medal at St. Louis; it was the central figure in our "Grand Prize Exhibit." Be sure to order this one.

The following prices include either postage or prepayment by express.

Size, prepaid.	Each	3 for	Per doz.
A 2½ inch pots.....	\$0.30	\$0.65	\$2.00
B 3 inch pots.....	.35	.95	2.75

The following prices are by express at buyers' expense.

Size, express.	Each	3 for	Per doz.	Per 100
A 2½ inch pots....	\$0.25	\$0.55	\$1.75	\$14.00
B 3 inch pots....	.30	.70	2.25	17.50
C 4 inch pots....	.40	1.10	4.00	25.00
D 5 inch pots....	.50	1.35	5.00	30.00

We furnish 25 of any one size at the 100 rate.

Giant Flowered. Orange Scarlet.  
Bronze Leaf.



## OTHELLO PLUM.

A Purple-Leaved Burbank Plum.

A Useful Fruit With Splendid Foliage.

Our own introduction. A rare combination of the useful and the beautiful. A wonderful new fruit and ornamental tree; one of Luther Burbank's creations, of which we purchased the first and only tree in 1895.

The tree is an upright grower, and a prolific bearer; fruit deep crimson, about one inch in diameter, ripening before the very earliest of ordinary plums.

The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Prices:

	Each	3 for	Dozen
Size A—Trees 5 to 6 feet high..	\$1.50	\$4.50	\$16.00
Size B—Trees 4 to 5 feet high..	1.25	3.50	12.00
Size C—Trees 3 to 4 feet high..	1.00	2.75	9.00
Size D—Trees 2½ to 3 feet high..	.75	2.00	7.50

The above prices are by express at buyer's expense.



# The Vegetable Garden

IT IS no longer a secret that ideal vegetables for the home table can only be obtained in one's own garden, and are eaten under the best conditions, as to flavor and sweetness, only when put to use at the hour or moment when the growth is perfected. Even small spaces in the home garden can be made worth while. Market-sold vegetables, twenty-four or twenty-eight hours old, are poor and expensive, while for the home garden the seed is cheap and the labor both helpful and pleasurable. **Vaughan's Seeds** satisfy the careful gardener. Nine-tenths of the prizes awarded for best gardens in Chicago were given to growers who used our seed.

The prices quoted in this Catalog include free delivery on packets, ounces,  $\frac{1}{4}$  pounds and pounds (except where otherwise stated). They do not include delivery charges on large quantities, nor on pints, quarts, pecks and bushels. By "Freight or Express" always means that transportation charges are paid by the customer.

NEW WONDER  
BUSH  
LIMA BEAN



## ASPARAGUS SEED AND ROOTS

### ASPARAGUS SEED

Sow thickly in early spring. Transplant in one or two years, 9 to 12 inches, in rows  $3\frac{1}{2}$  feet apart. Asparagus can be cut in 3 to 4 years.

**Early Giant Argenteuil** The famous Parisian Asparagus. Grows to large size; is very vigorous and fairly free from rust. The flavor is superb. Our seed is from one of the largest Asparagus plantations near Paris. Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 30c, lb \$1.00.

**Bonvallet's Giant** (See page 3. Novelties.) The best variety for home and market yet introduced. Pkt 10c, 1 oz 15c, 2 oz 25c,  $\frac{1}{4}$  lb 35c, lb \$1.25.

**Palmetto** The standard light green grass. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 15c, lb 50c.

**Columbian Mammoth White** Large semi-white shoots without earthing up. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 20c, lb 55c.

**Barr's Mammoth** Similar to Palmetto. Does better in some soils. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 15c, lb 50c.

**Conover's Colossal** A large fast-growing variety. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 15c, lb 50c.

**Artichoke**—See below.

### ASPARAGUS ROOTS

One-year roots are ready to cut two years from planting; two and three year roots, the year following setting out.

PRICES:	Doz.	100	1000
Conover's Colossal, 1-year-old roots.....	\$0 10	\$0 50	\$4 00
Palmetto, 1-year-old roots.....	10	50	4 00
Columbian Mammoth White, 1-year-old roots.....	10	50	4 00
Bonvallet's Giant, 2-year-old roots.....	25	1 75	12 00
Conover's Colossal, 2-year-old roots.....	15	75	5 00
Palmetto, 2-year-old roots.....	15	70	5 00
Columbian Mammoth White, 2-year-old roots.....	15	75	5 00
Argenteuil, 2-year-old roots.....	25	95	8 00
3-year-old roots, transplanted plants for forcing:			
Bonvallet's Giant.....	50	3 00	25 00
Conover's Colossal.....	35	2 00	15 00
Palmetto.....	35	2 00	15 00
Columbian Mammoth White.....	35	2 00	15 00

If to go by mail add for postage as follows: 1-year-old roots, 5c per doz, 35c per 100; 2-year old roots, 8c per doz, 50c per 100; 3-year-old roots may be shipped by express only.

## BUSH LIMA BEANS

**New Wonder** The highest expert authorities on Garden Beans have decided this to be the best of all the large-seeded Bush Limas for general purposes. The plants are large, compact, medium season, long-bearing and very prolific. The shell pods are green, of smooth surface, slightly curved, uniform and large, usually containing three seeds. This originated from one of the first types of Bush Limas, but is earlier and more compact in habit, and with less tendency to make runners. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c),  $\frac{1}{2}$  pk \$1.30, pk \$2.50.

**Bush Lima (Henderson's)** Earliest of all true Lima's; a reliable cropper, very productive, free from mildew, and of compact form. Pkt 10c, pt 15c (by mail 23c), qt 25c (by mail 40c), by express— $\frac{1}{2}$  pk 90c, pk \$1.75, bush \$6.50.

**Bush Lima (Burpee's)** A true bush form of the large White Lima, a circular bush 15 to 20 inches high, with a diameter 2 to  $2\frac{1}{2}$  ft., self-supported by its own thick stems. Unsurpassed in productiveness and quality of its large, handsome pods. Pk 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), by express— $\frac{1}{2}$  pk \$1.00, pk \$1.85, bush \$7.00.

**Bush Lima (Dreer's)** A dwarf variety of Dreer's Improved Lima; very prolific, single plants often producing from 150 to 200 pods, each pod holding 3, 4 or 5 beans of excellent flavor. Does well even in dry seasons. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), by express— $\frac{1}{2}$  pk \$1.20, pk \$2.25.

**ARTICHOKE, Green Globe** A perennial, whose large flowering heads are cooked and eaten like Asparagus. Matures the second year. Not hardy in the North. Pkt 10c, oz 30c.

**Artichoke, Jerusalem** See page 137.





The most popular of all Market Garden Beans. Especially good on light and sandy soil.

### IMPROVED GOLDEN WAX

Moderately early, of vigorous, bushy growth, rust-proof. A reliable heavy cropper, whether sown in spring, summer or early fall. Pods long, thick and solid, absolutely stringless, of golden yellow color. A standard sort for both home and market garden use. Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), by express—pk \$1.60, bu \$6.00.

### ROUND POD KIDNEY WAX

The variety is extremely early and is of superb quality, absolutely stringless. The bush is quite hardy and very prolific. The pods are round, fleshy and of excellent flavor, certainly one of the most desirable for home garden use. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), by express—peck \$1.85, bu \$7.00.

### OTHER KINDS

Our Bean "Packets" contain a very liberal amount of seed. The price of 10c includes postage. When purchased at our store or sent by express these packages contain more seed.

The prices below, except for packets, do not include postage. If to go by mail, add 8 cents per pint or 15 cents per quart.

	Pkt	Pt	Qt	Pk
<b>Challenge Black Wax.</b> Extremely early; pods tender and stringless, seeds black.....	\$0 10	\$0 15	\$0 30	\$1 60
<b>Stringless Refugee Wax.</b> Heavily productive; pods long, stringless and brittle.....	10	15	30	1 50
<b>Prolific Black Wax.</b> Very early; prolific, long pod.....	10	15	30	1 50
<b>Valentine Wax.</b> Second early, prolific; pods waxy yellow.....	10	15	30	1 50
<b>Golden Eye Wax.</b> Height, 1½ feet; early. Pods large and flat.....	10	15	30	1 50
<b>Flageolet Wax.</b> Resists rust; pods large, flat and yellow.....	10	20	35	1 60
<b>Yosemite Wax.</b> Exhibition quality variety. Pods thick, 10 to 12 inches long, golden yellow.....	10	20	40	2 25
<b>Horticultural Wax.</b> New. A very desirable early Bean for market.....	10	20	35	2 00
<b>Hodson Wax.</b> (See Novelties.) Late; heavy yielding.....	10	20	35	1 75
<b>Monster Stringless.</b> (See Novelties.) Stringless. Largest pod of the bush varieties.....	15	25	45	3 00

## BEANS

### Wax or Yellow Podded Varieties of Bush or Snap Beans

#### DAVIS KIDNEY WHITE WAX

The handsomest of all the early Wax Beans. The pods are long (seven inches), straight, very uniform and clear waxy white. The vines are vigorous, extremely prolific and fairly rust resistant. We have been improving the variety in this respect—seed being chosen only from unaffected vines. The dry beans are kidney-shaped, clear white, and excellent for baking. For snap beans in the home garden this variety should be picked young, before it becomes stringy and tough. The best market garden Wax Bean. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), by express—peck \$1.60, bu \$6.00.

#### BLACK PENCIL POD WAX

The best quality round pod early Wax Bean. It has a bushy growth, height 15 inches; is extremely productive. Pods are straight, round, six to seven inches long; thick, absolutely stringless, of fine flavor; color medium yellow. The seed is black, an all round high quality sort for the kitchen garden or the market gardener. Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), by express—peck \$1.60, bu \$6.00.

#### WARDWELL'S KIDNEY WAX

The best quality early Wax Bean. The pods are long (six inches), flat, even in size—a fine yellow color—brittle, and entirely stringless. A very good yielder, and pods remain tender a long time. In some localities subject to rust; however, on the prairie soils of the West, a most desirable sort both for the home and the market garden. Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), by express—peck \$1.75, bu \$6.50.

#### RUSTLESS

#### GOLDEN WAX

A much-used variety, very early, prolific, rust-proof; pods long, crisp, tender, of golden yellow color; seeds black. Pkt 10c, pint 15c (by mail 23c), quart 25c (mail 40c), by express—pk \$1.50, bu \$5.00.

### LIMA BEANS

#### POLE OR CLIMBING

**Siebert's Early Lima** The best variety for northern planting. A popular early variety; an enormous yielder, though the pods seldom contain more than 4 seeds; pods medium long, dark green, well filled with large, fleshy, tender, fine-flavored beans. Pkt 10c, pint 20c (by mail 28c), quart 30c (by mail 45c), by express—peck \$1.75, bu \$6.50.

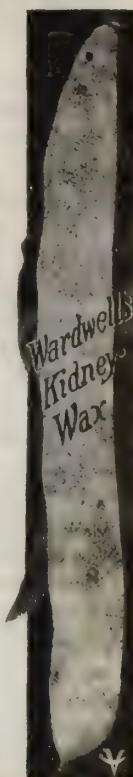
**King of the Garden Lima** A favorite of climbing sort, in continuous bloom and fruitage to the end of the season; pods uniform, 5 to 8 inches long, holding usually 7 perfectly formed beans of superior quality. Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), by express—peck \$1.85, bu \$7.00.

**Ford's Mammoth Pole Lima** The largest and most productive Lima Bean. The pods of this desirable Bean grow to an average length of 8 inches and are produced in great clusters. The pods have from 5 to 7 beans of excellent quality, both green and dry. Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), by express—peck \$1.85, bu \$7.00.

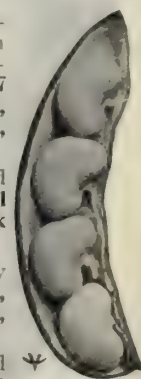
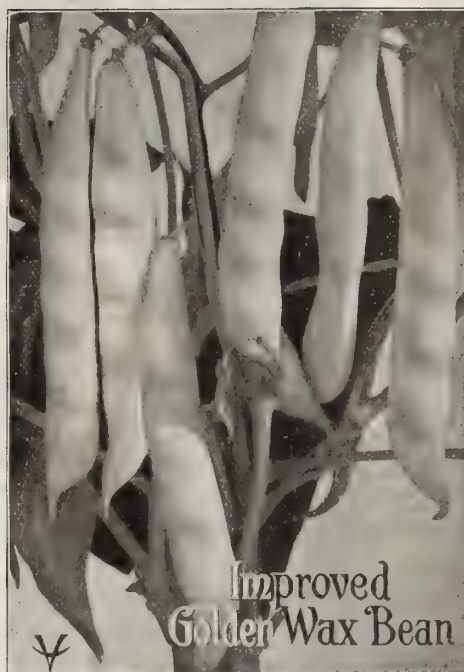
**Challenger or Dreer's Improved** Thick pods of good size and flavor. Early. Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), by express—peck \$1.75, bu \$6.50.

**Large Lima** The beans are large and attractive. A very popular variety. Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), by express—peck \$1.75, bu \$6.50.

**Extra Early Jersey Lima** Small pods; early. An old standard. Pkt 10c, pint 20c (by mail 28c), quart 30c (by mail 45c), by express—peck \$1.75, bu \$6.50.



Wardwell's Kidney Wax



Siebert's Early Lima



# BEANS.

BUSH OR SNAP,  
GREEN POD VARIETIES.

## LONGFELLOW.

For a home garden bean, this variety is one of the best. The pods are the handsomest of any good quality bean, and while not entirely stringless, are nearly so. They are extraordinarily prolific, bearing a profusion of pale, soft green pods 7 to 8 inches long, straight, round, and of delicious flavor. The plant grows 12-14 inches high, is early (six weeks), and ripens uniformly. Market gardeners plant this bean in preference to any other. Vaughan's Special: Pkt., 10c; pint, 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ peck, 80c; peck, \$1.50; bu., \$5.50.



## BOUNTIFUL STRINGLESS.

Extra early. Tender, large podded and a bountiful yielder. An improved Long Yellow Six Weeks, being earlier, hardier and producing many more, better and larger pods. Its long pods are very showy, and good for exhibition purposes. It is equally valuable for the gardener and the home garden. Pkt., 10c; pint, 15c (by mail, 23c); qt., 30c (by mail, 45c); ½ peck, 80c; peck, \$1.50; bu., \$5.50.

## STRINGLESS GREEN POD.

See novelty and specialty pages. The most desirable all purpose green pod bean; round pods, absolutely stringless. Season is early, and the vines are extremely prolific. Vaughan's Special: Pkt., 10c; pint, 20c (by mail, 28c); quart, 35c (by mail, 50c); ½ peck, 85c; peck, \$1.60; bu., \$6.00.



## IMPROVED EARLIEST VALENTINE.

Our stock of this is extra choice. This variety is usually READY TO PICK IN 34 DAYS after planting. The pods are ROUND, VERY THICK AND FLESHY, WITH VERY LITTLE STRINGS, of finest quality and unequalled in uniformity of ripening, which latter fact, combined with its earliness, makes it one of the most profitable sorts for the gardener. Pkt., 10c; pint, 15c (by mail, 23c); qt., 25c (by mail, 40c); peck, \$1.40; bu., \$5.00.

## MAMMOTH STRINGLESS GREEN POD.

A mammoth podded strain of the above, not quite so early but more showy and possessing the good qualities of the original stringless. Excellent to plant with the "Stringless" for succession. Pkt., 10c; pint, 20c (by mail, 28c); qt., 30c (by mail, 45c); ½ peck, 85c; peck, \$1.60; bu., \$6.00.

## BLACK VALENTINE.

This excellent variety is a great improvement over the popular standard sort Early Red Valentine, being ONE-THIRD LONGER THAN THAT VARIETY, PODS PERFECTLY ROUND AND



STRAIGHT, although not quite so early. It also has the additional advantage of being suitable both for early and late planting, being extremely hardy. It will withstand early and late frosts which kill other varieties. A most desirable sort for the market gardeners, owing to its enormous yielding qualities, large and handsome appearance. Should be planted instead of either Red Valentine or Refugee, being superior to either in appearance. Vaughan's Special: Pkt., 10c; pint, 20c; (by mail, 28c); qt., 35c (by mail, 50c); peck, \$1.75; bu., \$6.50.

## POLE BEANS.

These beans need poles for support. Later than bush beans, they are more productive. Pole Limas on opposite page. Prices, except for packets, do not include postage. If to be sent by mail, add 8c to the pint and 15c to the quart prices.

**Early Golden Cluster Wax.** Long golden stringless, and fine quality pods, borne in clusters; large pure white seeds. Pkt., 10c; pt., 20c; qt., 35c; peck, \$2.25; bu., \$8.00.

**Kentucky Wonder, or Old Homestead.** (See illustration.) Long flat green pods, seven to nine inches in length, fleshy and stringless. Heavy yielder. Excellent for snap beans. Pkt., 10c; pt., 15c; qt., 30c; peck, \$1.75; bu., \$6.50.

**Kentucky Wonder Wax.** (See novelty pages.) In our trials has proven the best pole wax bean. Pkt., 10c; pt., 20c; qt., 35c; peck, \$2.00.

**Scarlet Runner.** A good snap bean as well as very ornamental, having bright red flowers. Pkt., 10c; pt., 20c; qt., 30c; peck, \$1.75.

**Lazy Wife.** Thick stringless long pods borne in quantity. Also an excellent shell bean. Pkt., 10c; pt., 20c; qt., 35c; peck, \$2.00; bu., \$7.50.

**Creaseback.** Early pods, long round, green, tender and stringless. White beans. Pkt., 10c; pt., 15c; qt., 30c; peck, \$1.60; bu., \$6.00.

**Dutch Caseknife.** Early, long green, flat pods. White seed. Pkt., 10c; pt., 15c; qt., 30c; peck, \$1.60; bu., \$6.00.

**Horticultural Cranberry.** Early, good for snap or shell beans; for a cool climate. Pkt., 10c; pt., 15c; qt., 30c; peck, \$1.60; bu., \$6.00.

**Burger's Stringless Green Pod.** (See novelty pages.) A fine, early green pod pole bean. Stringless, of the highest quality. Pkt., 10c; pt., 20c; qt., 35c.

For Choice New Varieties, see Novelty Pages 3 and 4.



KENTUCKY  
WONDER  
POLE.

## REFUGEE, OR 1,000 TO 1.

Similar to the Valentine pods, one-third larger, tapering to a slender point. Pods are perfectly round and straight. Very hardy, so that it is good for both early and late planting. An immense producer. Pkt., 10c; pint, 15c (by mail, 23c); qt., 25c (by mail, 40c); peck, \$1.40; bu., \$5.00.

## BOUNTIFUL STRINGLESS.

## OTHER LEADING SORTS.

Any of the following, per pkt., 10c.

The prices, except for packets, do NOT include postage; if by mail, add 8c to the pint and 15c to the quart prices.

	Pt.	Qt.	Pk.	Bu.
<b>EXTRA EARLY REFUGEE.</b> Similar to the Refugee; two weeks earlier.....	\$0 15	\$0 25	\$1 40	\$5 00
<b>BROAD WINDSOR.</b> An English Dwarf Bean, eaten shelled; best of class.....	15	30	1 60	6 00
<b>DWARF HORTICULTURAL.</b> Late, heavy yielding. Flat yellow pods spotted with red .....	15	30	1 60	6 00
<b>EARLY MOHAWK.</b> Productive, long flat pods. Early, rather stringy.....	15	25	1 25	4 50
<b>EARLY ROUND POD.</b> Six Weeks. Early sort for market. Good yielder. Quality fair .....	15	25	1 25	4 50
<b>EARLY YELLOW.</b> Six Weeks. Similar to round sort, with flat pods. Quality ordinary .....	15	25	1 25	4 50
<b>IMPROVED NAVY.</b> Fine field sort.....	15	25	1 00	3 50
<b>WHITE KIDNEY.</b> Fine white bean. Poor quality pods .....	15	25	1 25	4 50
<b>TRIUMPH OF THE FRAMES.</b> Small. French bean. Good under glass and outside .....	20	40		
<b>WHITE MARROW.</b> Good shell bean.....	15	25	1 25	4 50

## SIX FINE FOREIGN BEANS.

**GIANT SCARLET RUNNER.** Very fine flowers and long pods. Price, pkt., 10c; 3 for 25c.

**TWO COLORED FIRE BEAN.** A scarlet runner with very pretty pink and white flowers. Pkt., 10c; 3 for 25c.

**JULY POLE.** (Eight weeks.) Very productive pods, thick and tender. Grows only six feet. Fine for house gardens. Pkt., 15c; 2 for 25c.

**FRENCH ASPARAGUS BEAN, "YARD LONG."** Of good flavor. Pods immense, two to four feet long. Pkt., 10c.

**WAX POLE BEAN, "FILL BASKET."** New, very early, productive. Pods nine inches, very meaty and without strings. White seed. Pkt., 10c; 3 for 25c.

**GREEN POD POLE BEAN, PRESIDENT ROOSEVELT.** A German novelty. Absolutely stringless. Pods up to 10 inches long, thick and meaty. A most promising variety. Pkt., 10c; 3 for 25c.



**BEET.**

An ounce of Beet Seed is generally sufficient for a home garden. It requires from 5 to 6 lbs. to sow an acre.

**CROSBY'S EGYPTIAN.** *The Best of the Early Beets.*

Originally a selection from Early Flat Egyptian. Has been bred slightly thicker than the old stock, which gives it a more desirable shape, while it still retains extreme earliness; color, a deep red, almost black; flesh, sweet, smooth, tender and of excellent quality. Earlier than any other, it makes most desirable small beets for early market, of presentable size and shape. Tops are not too small, but just right for easy bunching.

This is a variety that requires most expert care in growing in order to retain in equal proportion, earliness, shape and color. Our strain is kept at the top notch by the most careful and experienced seed growers we have been able to find.

Crosby's Egyptian, Vaughan's Selected Stock—Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

Crosby's Egyptian, Regular Stock—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**NEW BEET.**  
**VAUGHAN'S**  
**"FIRE-BALL"**

(See cut and description on third cover page.)

Slender leaves; flesh brilliant red; shape globe. Season early as Crosby's Egyptian. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25.

**CROSBY'S**  
**EGYPTIAN.**

**CRIMSON GLOBE.** *UNSURPASSED FOR MAIN CROP USE.*

An extremely handsome, early or main-crop variety, of medium size, almost globe shaped, and entirely free from rootlets, leaving the skin entirely smooth. The roots average 10 in. in circumference, the foliage is small and of a rich bronze purple. The flesh is a rich blood red, slightly zoned and of the finest quality, always sweet and tender, never stringy. For market use as a main crop variety, it is very heavily planted and a favorite everywhere. In the home garden, its rich dark red flesh, tender and sweet, is not excelled by any other sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid; by express, lb., 50c; 5 lbs., \$2.25.

**DETROIT DARK RED TURNIP.**

A grand Beet for bunching for market; tops exceptionally small and upright; roots are perfect turnip shape with small tap roots. Color of skin dark blood red; flesh bright red. Quality of the very best, sweet, tender and lasting. All through the Western Country the

Detroit has an unequalled reputation. Our stock is particularly fine shaped and dark fleshed. One of the best for the market gardener and the home garden.

VAUGHAN'S SELECT STOCK. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

**EDMAND'S EARLY.**

Roots are of good form, round, with only one single small tap root; flesh is of a deep blood red color, very sweet and tender. Plant closely, as they do not grow large and coarse, but have very small top. One of the best. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., \$2.25.

**LONG SMOOTH DARK BLOOD.** This variety has long slender roots. The beets are seldom more than 2 inches through. Matures rather late, but is an excellent keeper. The flesh is dark red and quality excellent, sweet and tender. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., \$2.25; 10 lbs., \$2.85.

**HALF LONG BLOOD**

One of the best for winter use. Roots only half as long as the Long Blood, but weigh as much on account of their thickness. Always smooth, and their rich, dark red flesh is very sweet, crisp and tender, never becoming woody, even in exposed portions. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, 5 lbs., \$2.75.

**LONG**  
**SMOOTH**  
**BLOOD.**

**CRIMSON GLOBE.**  
*For home or market.*

**VAUGHAN'S CHICAGO MARKET**

The most perfect dark blood-red kind. Even the leaves of every beet are of the darkest glossy red, almost black color. It is turnip-shaped, medium in size, has a somewhat small top and a fine small tap root. This is a main crop variety of great merit for the home garden. It is an excellent keeper and does not become overgrown when left in the garden as quickly as do other kinds.

Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**ARLINGTON IMPROVED.** Early, deep round form; medium size; color dark blood red; does not become stringy, but is sweet and tender at all times. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 35c; lb., 70c.

**BASSANO EARLY FLAT RED.** One of the earliest; flesh tender, white and rose in color. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., \$2.25.

**DEWING'S EARLY BLOOD TURNIP.** Good color; medium size; smooth and handsome. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**EARLY ECLIPSE.** Roots nearly globular, with small tap root and very small collar. Flesh dark red, zoned with a lighter shade; very sweet, crisp and tender, especially when young. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, 5 lbs., \$2.75.

**ELECTRIC.** As early as Egyptian, and well liked in the Eastern market. It is almost round, leaves small; color very dark rich crimson, with rings of a lighter hue. Flavor delicate, rich and sugary. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., \$2.25.

**IMPROVED EARLY EGYPTIAN.** The best variety for forcing and first early crop. Roots very dark red, rounded on top, flat beneath, small tops. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; lb., 60c. By express, 5 lbs., \$2.25.

**BROCCOLI and BRUSSELS SPROUTS.** See page 28.

**MANGELS.** See page 25.

**SWISS CHARD or SEA KALE BEET.** See page 52.



**EARLY OBLONG  
VARIETIES**

**CABBAGE**

**Cabbage Seed** is one of our specialties. Our seed of Wakefield, All-Head, Hollander and Danish Ballhead is used by the most critical market gardeners of the United States, men whose living depends on producing the best.

**VAUGHAN'S SELECTED**

**EARLY JERSEY WAKEFIELD**

Of the extra early oblong or conical-shaped head varieties this is the best for use in the United States. It is by far the most popular of the class, and more seed is planted of this variety than of all others of the same type. Earliness, combined with hard heading qualities, are the essential features of a good strain of this sort. Our seed is the result of the most careful selection from early-maturing heads of uniform size (slightly under medium) with small outside leaves (permitting close planting).

We have taken great pains to secure a fine strain of this cabbage, and we think our reselected seed is without superior.

**Vaughan's Selected American Grown** Pkt 10c, ½ oz 20c, oz 30c, 2 oz 50c, ¼ lb 80c, lb \$3.00.

**Early Jersey Wakefield**, imported seed. Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.50.

**LARGE JERSEY or**

**CHARLESTON WAKEFIELD**

This sort forms uniform solid heads, considerably larger than the Early Wakefield and matures only a few days later. On clay ground it will mature just as early. Largely planted by gardeners in the South. Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 70, lb \$2.60.

**EARLY WINNINGSTADT**

One of the best for general use, being very hardy and sure to head. Heads regular, conical, very hard, and keep well both winter and summer. We supply the best imported seed.

Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.35.

**EARLY YORK**

Heads small, heart-shaped, firm and tender. Can be planted 15 to 18 inches apart.

Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.35.

**EXTRA EARLY EXPRESS**

An extra early sort, in which the plants are compact, with round thick leaves, that form an oval head, which is astonishingly large for the size of the plants. The heads are comparatively thicker and less pointed than those of the Jersey Wakefield, and are only slightly later than those of that sort.

Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.60.

Our prices on pounds include postage. If sent "by express," customers paying charges, 10 cents may be deducted from single pound rates.

**EARLIEST ETAMPES**

Very similar to Express. The heads are fully as large, not quite so hard, but are of excellent quality. Sold for "Earliest of All," "Wonderful," etc. Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.60.

**Special Offer**—Early Jersey Wakefield, select Charleston Wakefield, Early Allhead, Vandergaw or All Seasons, Premium Flat Dutch, Bridgeport Drum-head, Danish Ballhead, late.  
One packet, any three above.....15c  
One ounce, any three above.....55c

**EARLY FLAT VARIETIES**

**ALL HEAD or FAULTLESS**

For the amateur who plants but one variety of Cabbage this is the one he should select as for all purposes it answers the requirements better than any other sort. It matures heads of large size, uniform, handsome in appearance, and of a quality which is not equaled. The outer leaves are few and close plantings may be made. Among kraut growers it is the most popular variety for the largest tonnage possible may be raised to the acre. Our seed is grown by the originator of this variety on Long Island. Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c; ¼ lb 60c, lb \$2.10.

**EARLY FLAT DUTCH**

A sure header, weighing from 10 to 12 lbs., of even size, and solid. They mature about as early as Early Summer, and stand long without bursting. This is one of the best of the second early kinds. Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 50c, lb \$1.70.

Mrs. H. D. Blaisdell, Bradford, Ill., writes: "I want to tell you how I like your seeds. I never saw a Cabbage to beat Vaughan's Select Wakefield."

**NEW EARLY FLATHEAD**

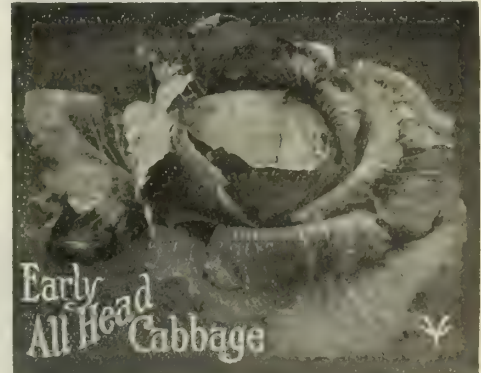
**Improved Early Spring** This is a cross between Jersey Wakefield and Succession. It has the thick leathery leaves of the Wakefield and produces slightly rounded heads at practically the same date as the pointed Wakefield. The plant is dwarf growing and has few outside leaves.

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 65c, lb \$2.25.



**VAUGHAN'S ALL SEASONS  
Vandergaw**

One of the best sorts for market gardeners and amateurs. Forms large solid heads, much larger than Early Summer and is almost as early. If planted late it makes a first-class fall and winter sort. A desirable feature is its absolute certainty to head and excellent quality. Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb \$2.10.

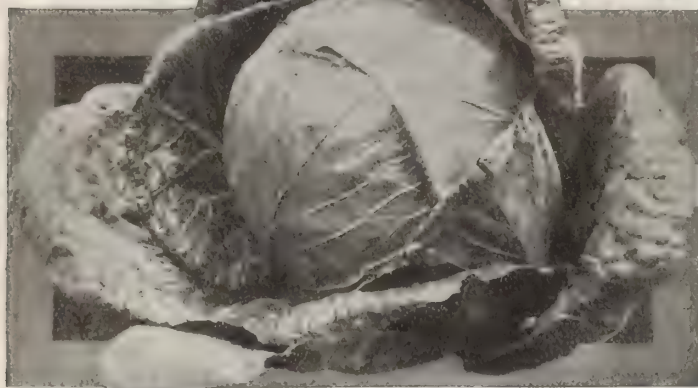




EARLY SORTS**CABBAGE**FLAT AND ROUND

Within a comparatively short time this variety has become a standard sort for early market sale among the gardeners.

Early as Allhead, medium size and hard headed.



**GLORY OF ENKHOUSEN**, a Very Valuable Early Sort

EARLY SPRING

Smaller than Early Allhead, it is of the same type and almost as early as Wakefield. Its shape is round, slightly flattened on top, very solid, even before the Cabbage reach their natural size.

Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.25.

SUCCESSION

A second early—about two weeks later than Early Summer. The heads are larger, slightly flatter than the above variety and run more uniform. The color is light green; the heads are solid, have good keeping quality and are of excellent quality. A favorite with market gardeners.

Pkt 5c, ½ oz 12c, ¼ lb 50c, lb \$1.75.



**SUCCESSION**

LATE FLAT DUTCH Slightly smaller than Premium Flat Dutch and perhaps a little better keeper.

Pkt 5, oz 15c, ¼ lb 45c, lb \$1.50.

Use **Slug Shot** for cabbage worms. Can be used without danger; absolutely kills cabbage worms. 5 lb package 30c, 10 lb 50c, 25 to 50 lbs at 4½c per lb.



**Premium Flat Dutch**

FOTTLER'S BRUNSWICK DRUMHEAD

A dwarf growing sort with very large heads coming in considerably earlier than Premium Flat Dutch. It is of value for both second early and winter use and is much planted by gardeners. The heads are flat and solid with few outer leaves, of light green color.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 50c, lb \$1.75, by express 5 lbs \$8.00.

EARLY SUMMER

The popular flat head variety for early market. In season it follows right after Wakefield. The heads are of fair size, round with a peculiar bluish tinge. The Cabbages are compact, solid with great large outer leaves. The quality is good and its fine appearance makes it bring ready sale.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb \$2.10.

LATE or  
MAIN CROP SORTS

DANISH BALL-HEAD

Vaughan's Select Stock. The most popular of all late varieties for Winter use. Genuine seed grown on Amager Island, Denmark. Because of its "great solidity" of head, and its unequalled keeping and shipping qualities, Danish Ball-Head has supplanted nearly all other varieties for winter use. Many trials have demonstrated the superiority of the Danish seed of this variety over that grown in other countries and localities. The Ball-Head we offer is the tall-stemmed strain, to be distinguished from the short-stemmed "Hollander" or the Dwarf Amager, the Danish grown strain of the Hollander. The heads are of excellent market size—not too large. They are very hard, almost round, fine grained, and will weigh one-fourth more than other varieties of equal size.

There is no higher bred cabbage seed than the strain we offer. The seed crop in Denmark was an almost complete failure this year. The supply cannot exceed the demand. Order early.

Pkt 10c, ½ oz 20c, oz 35c, ¼ lb \$1.10, lb \$4.00.

PREMIUM FLAT DUTCH

The most popular large heading flat-head variety. No cabbage is so universally grown as this. Seed may be grown in the open ground and plants raised without the use of hotbeds. Our strain produces immense solid heads, uniform and of best quality.

Pkt 5c, ½ oz 12c, oz 20c, 2 ozs 35c, ¼ lb 60c, lb \$2.00; by express 5 lbs \$9.00.

**HOODOO** is the most uniform in type, color, sweetness and solid meat of all Orange-Fleshed Musk Melons.

GLORY OF ENKHOUSEN

A comparatively new Cabbage from Holland, it has met with exceptional popularity on account of its earliness, sure headedness and fine keeping quality. The heads are of medium size, just right for market, globe shaped and of handsome dark green color. The quality is excellent, the leaves being fine ribbed and the outer leaves set close, permitting close planting. Where this variety has been tried in the market-growing centers the growers have been very enthusiastic. Along with all other Holland and Danish Cabbage the seed is very scarce this year.

Pkt 10c, ½ oz 20c, oz 35c, 2 oz 60c, ¼ lb \$1.10, lb \$4.00.

DANISH SUMMER BALLHEAD

The Danish Summer Ballhead Cabbage is taking the place among the early varieties that the Danish Ballhead holds among the later sorts. It is a second early, extremely hard, long-keeping and of superb quality, and on light soil it does particularly well, being a sure header. It resembles the Winter Ballhead quite closely, excepting that it is smaller and slightly flat on top. It has traces of curliness on the outside leaves and delicate flavor that suggests Savoy blood. Color is light green, very small with fine ribs in the leaves.

Pkt 10c, ½ oz 20c, oz 35c, 2 oz 60c, ¼ lb \$1.10, lb \$4.00.

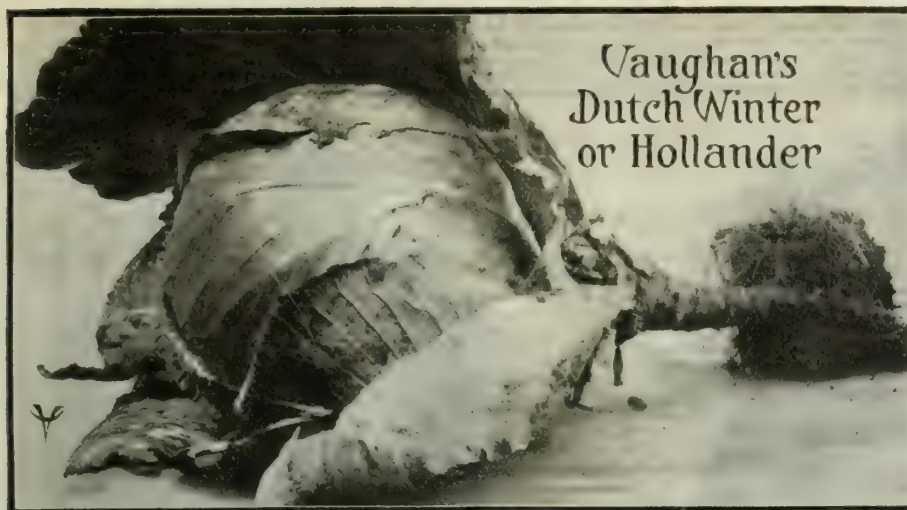


**EARLY SUMMER**



**Danish Ball-Head**, the most popular winter cabbage. Genuine Danish seed raised on Amager Island, Denmark.





Vaughan's  
Dutch Winter  
or Hollander

### DUTCH WINTER OR HOLLANDER

The best Cabbage for late spring sales and for shipping. This has become known in the past eight years as the most reliable Cabbage for the shipping trade, and has been almost universally used in districts famous for Cabbage growing, such as Racine, Wis., Central New York, Michigan districts and others. The heads are of medium size, averaging about 8 lbs., and are very solid, and in their fine white color entirely distinct from other kinds. While the quality is good they are uniformly excellent keepers, the heads being often just as solid and perfect when taken out in the Spring as when put away in the Fall. No Cabbage will sell against it.

Dutch Winter or Hollander Cabbage, Vaughan's Extra Selected Stock. Pkt 10c, ½ oz 20c, oz 35c, 2 oz 60c, ¼ lb \$1.00, lb \$3.60, by express 5 lbs \$17.00.

### DWARF AMAGER OR SHORT-STEMMED DANISH BALLHEAD

A variety which is very similar to Dutch Winter or Hollander, so nearly so it is almost impossible to tell the difference. This seed we import direct from Amager Island, Denmark. Order your European cabbage seed early, crop is short.

Pkt 10c, ½ oz 20c, oz 35c, 2 oz 60c, ¼ lb \$1.00, lb \$3.60, by express, 5 lbs \$17.00



Bridgeport  
Chicago  
Drumhead  
Vaughan's  
Original  
Introduction

Illustration shows Excellent Shape, Solid Head, with Finely Bred Short Stem.

### VAUGHAN'S BRIDGEPORT DRUMHEAD

The best large Fall shipping Cabbage in existence. Our strain of this Cabbage, of which we are the introducers, has been selected by us for twenty years, and the original type has not only been kept up, but improved, so that a field of them is more uniform than any other sort. The quality is fine for slicing, for kraut, in fact, for general table use is unsurpassed. Pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 70c, lb \$2.50; by express, 5 lbs \$11.00, 10 lbs \$20.00.

### OTHER GOOD VARIETIES

Any of the following: Pkt 5c.

	Oz.	¼ lb.	Lb.
Large Late American Drumhead A selected strain of this standard Winter Cabbage.	\$0 15	\$0 50	\$1 60
Autumn King Similar to Flat Dutch with ruffled outer leaves.	20	50	1 75
Improved Stonemason A large, solid, late Drumhead—Popular in certain sections.	20	60	2 10
Louisville Drumhead Another strain of Drumhead. Very compact, short stemmed, semi-flat and good quality	25	60	2 10
Marblehead Mammoth Drumhead Late, about the largest cabbage grown. Popular with gardeners.	25	55	1 80

## CABBAGE

### LATE OR MAIN CROP

**Sure Head** This sort produces large round flattened heads which are of uniform size, very hard and of fine texture, and weigh from 10 to 15 pounds. It is a good keeper and shipper, of fine quality and certain to head even in the most unfavorable seasons. A general favorite with gardeners or large growers. Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.10.

**The Lupton** The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. It is one of the best keepers and comes out in the spring bright and fresh. Our seed, grown by the originator, will produce cabbage of the best type.

Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 55c, lb \$1.90.

**Luxemburg or Hard Heading** Makes a good sized hard head, very heavy and has remarkable keeping qualities for burying over Winter. Very profitable for late Spring sales after other sorts are gone, often bringing high prices. Not desirable in moist climates. Pkt 5c, ½ oz 12c, oz 20c, ¼ lb 60c, lb \$2.10; by express, 5 lbs \$9.00, 10 lbs \$17.00.

### RED CABBAGES

**Mammoth Rock Red** The best large Red Cabbage. A sure header of good red color to the center. Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 65c, lb \$2.25.

**Zenith** A very fine medium early sort. Not large, good quality and fine color. (New) Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb \$1.00, lb \$3.50.

**Vaughan's Black Diamond** A new second season black red variety. Head medium large, very firm, leaf rib, thin and small; few outer leaves. Pkt 10c, ½ oz 20c, oz 30c, 2 oz 55c, ¼ lb \$1.00, lb \$3.50.

**Extra Early Dark Red** } Pkt 5c, ½ oz 12c, oz 20c,  
Erfurt, } ¼ lb 50c, lb \$2.00.  
Dark Red Dutch,  
Red Drumhead.

Also see Novelties.

### SAVOY CABBAGES

These are the best of all Cabbages as regards quality and flavor. Blistered leaves give them a strange appearance. However, once planted they are always sown again the next season.

**Iron Head Savoy** Best of the early sorts. Round head, large and solid. Quality excellent. Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.10.

**Marvin's Savoy** A large solid head, very curly. An almost sure header and the most popular of this class. Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 75c, lb \$2.60.

**Early Elm Savoy** A very early sort. Pkt 5c, oz 20c, ¼ lb 50c, lb \$1.85.

**All Head Savoy** Conical head, fine quality. Early and solid. Pkt 10c, ½ oz 20c, oz 30c.

**New Colossal.** } Pkt 5c, ½ oz 12c, oz 20c,  
**Improved American.** } ¼ lb 60c, lb \$2.00.  
Standard main crop  
sorts.



MARVIN'S  
SAVOY  
CABBAGE



**CARROTS.**

FOUR POUNDS TO THE ACRE.

Carrots require a deep, well worked soil. For home use and early bunching the Chantenay, Nantes and Oxheart are the best; for general crop, our selected Danvers; while for feeding, the Mastodon and Belgians (see page 25), yield the largest crops. For shape, the carrots run as follows: Early Scarlet Forcing, the earliest and nearly round; Early Short Scarlet, next in season, about three inches long; Oxheart, Nantes and Chantenay follow, these being the best quality, running from four to six inches; Selected Danvers is a little longer, and Long Orange the longest of all.

**EARLY CHANTENAY.****EARLY CHANTENAY, The Best Bunching Carrot.**

This is the best early Carrot in existence, one which market gardeners should plant for their main early crop. The Carrots grow about six inches long, are stump rooted, very smooth, deep red, fine grained, sweet and sugary, and not apt to crack open while growing. An excellent table sort and a heavy cropper. Our seed is most carefully selected. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c; 5 lbs., \$3.50.

Our Carrot Seed is raised by experienced and careful growers who know the importance of selection and isolation, and practise it.

They run even and true to type. There is an immense superiority in our stocks over the cheaper California grown seed.

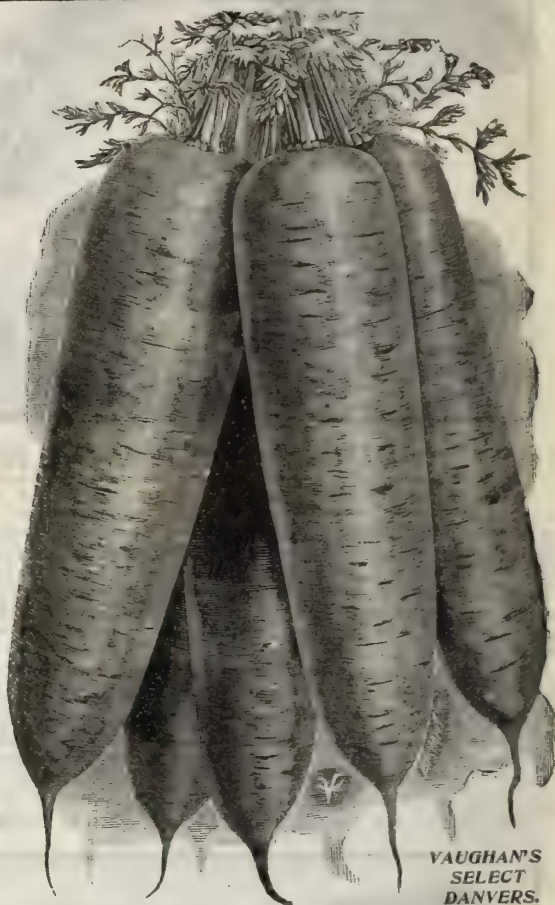
**Very Early Scarlet Forcing.** (French Horn.) The Earliest and Best Variety for Forcing. The reddish-orange colored roots are nearly round. When matured they are about two inches in diameter, but should be used before they are full-grown, when they are tender and delicious. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 90c.

**Early Short Scarlet.** (Dutch Horn.) Larger than French Horn and almost as early, stump rooted, one and one-half inches thick and about three inches long, fine grained and sweet flavored. Color, deep rich orange; best for bunching. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 90c.

**GUERANDE, OR OXHEART.**

A thick Carrot, 5 inches long and very blunt at the lower extremity. It grows very rapidly and the roots attain a weight of more than a pound. It is tender, of good flavor and of a deep red color, and is a variety we can recommend for the home garden, as well as to all market gardeners. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 90c; postpaid; 5 lbs., by express, \$3.50.

Fort Wayne, Ind.—I have been raising the Chantenay Carrot for early use. It is my favorite early Carrot, and the Selected Danvers my favorite late one. CARL GUYER.

**GUERANDE, OR OXHEART.****VAUGHAN'S SELECT DANVERS.****VAUGHAN'S SELECTED DANVERS.****The Best Carrot for Every Purpose.****The Best Strain of this Famous Sort.**

For over 20 years we have sold this selected stock, and we never have enough seed to supply the demand. All the gardeners in Chicago know it, and plant no other if they can get ours. It is the most uniform in existence, always of good color, a splendid yielder and of excellent flavor. It is one of the easiest Carrots to harvest, will yield more tons to the acre than any other. We are proud of being the owners and distributors of this carrot. It is one of the specialties which has made Vaughan's Seeds synonymous with "Best Seeds." Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.00.

**Nantes Half Long, Early.** The sweetest of all Carrots, is of good shape and size. The leaves are fine, the roots are almost cylindrical, very smooth, and grow about six inches long; the flesh is entirely red, very sweet and almost entirely without a core. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 85c.

**Half Long** This is the stock usually sold by seedsmen. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c, postpaid. By Danvers, express, lb., 65c; 5 lbs., \$3.00.

**Vaughan's Chicago Forcing.**

It is similar to the Chantenay in shape, but develops much earlier and has smoother roots, which color a fine dark red long before other varieties. It is a first-class forcing Carrot, and is also good for home garden use as an early Carrot in the open ground. For market purposes it is a little delicate, and has too fine and short leaves to bunch and ship. For quality it is the very best we have ever tried, possessing no core (heart) whatever.

Pkt., 10c; oz., 20c; ¼ lb., 40c.

**Improved Long Orange.**

A well-known sort, roots long, thickest near the crown, tapering regularly to a point, color deep orange. It is a good keeper of fine quality for winter use, and extensively grown for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c; by express, 5 lbs., \$2.50.

**CARROTS FOR STOCK.**

The Mastodon, Long White Belgian and Orange Belgian, etc. See next page.



# CARROTS AND BEETS FOR STOCK FEEDING

Root crops are highly valuable and worthy of more general cultivation in the United States. The feeding value of roots is directly proportional to the dry matter content. This dry matter pound for pound is equal to any grain; when fed to cattle is more eagerly eaten and more digestible. This dry matter runs from 10 to 14 per cent of total weight. Thus a low yield of 20 tons would give over 2 tons of dry matter equal to 65 bushels of corn. A supplementary ration of cereal is good.

## MANGELS OR STOCK BEETS

Successful cultivation depends largely upon a well prepared seed bed, ploughed deep and well pulverized. Sow 6 pounds of seed per acre. On carefully prepared land yields of 40 and 50 tons per acre have been taken not uncommonly. The Mangel is a dependable cropper, ripening after harvest, is ready to feed January 15th. Mangel diet gives one-third more milk than potatoes when fed to milch cows.

**Vaughan's Mammoth Long Red** This is the most productive Mangel variety, yielding enormously. Crops as high as forty to sixty tons to the acre have been produced, and a single root often weighs twenty to thirty pounds. It grows well above the ground, and is easily pulled. Our stock shows a very good percentage of dry matter, and has been carefully selected for large, thick roots. Oz 5c, ¼ lb 15c, lb 40c.; by express, 5 lbs \$1.50.

**Half Sugar Mangel** The roots of this new variety are valuable for their very high dry matter content, being, pound for pound, nearly equal to the best strains of sugar beets. Besides which, they are more succulent in feeding than the latter. Moreover, as they grow out of the ground, they are much more easily harvested than are sugar beets. Oz 10c, ¼ lb 20c, lb 45c; by express, 5 lbs, \$1.75.

**Golden Tankard** This is the best known yellow Mangel. It is a very distinct variety, and contains probably the largest per cent of dry matter of any of the Mangels. It is cylindrical in shape, and easily pulled; very hardy, and a good yielder. Oz 5c, ¼ lb 15c, lb 40c.; by express, 5 lbs \$1.50.

**Giant Yellow Intermediate.** Root is ovoid, between the shape of the long and the globe variety. Flesh white, firm, and has a good per cent of sugar. Much liked by cattle. Oz 5c, ¼ lb 15c, lb 40c.; by express, 5 lbs \$1.50.

**Champion Yellow Globe** An old standard variety, much planted in England. Skin yellow, flesh white and solid. Oz 5c, ¼ lb 15c, lb 40c.; by express, 5 lbs, \$1.50.

### Feeds and Feeding

A new and valuable book on the subject by Prof. Henry of the Wisconsin University. \$2.00, postpaid.

### Carrots and Mangels

These crops discussed fully by James J. H. Gregory. Paper, 30c., postpaid.

## SUGAR BEETS

The growing of Sugar Beets in the United States has become one of our most important industries. Our seed is from the best growers, who select all their beets by laboratory tests for high sugar content. Our seeds will raise beets with a much higher percentage of sugar than seed ordinarily offered. They are also superior for stock feeding, as they are very high in dry matter content.

**Vilmorin's Imperial** An improved French variety, exceedingly rich in sugar. Under average conditions it has yielded 14 tons of roots to the acre, containing about 16 per cent of sugar. Oz 5c, ¼ lb 15c, lb 35c.; 5 lbs, by express, \$1.25.

**Klein-Wanzleben.** This kind is cultivated on a larger scale than any other Sugar Beet. The root is conical, straight and even, quite large at the head and rapidly tapering. It is easy to dig, and is a heavy yielder. Oz 5c, ¼ lb 15c, lb 35c, 5 lbs, by express, \$1.25.

**French Red Top Sugar** Combines with heavy yield a good percentage of sugar. It is very hardy and productive, yielding about twenty tons to the acre. A most desirable sort for stock. Oz 5c, ¼ lb 15c, lb 35c, 5 lbs, by express, \$1.25.

**Lane's Improved** Heavy yielder, flesh snow white. Oz 5c, ¼ lb 15c, lb 35c, 5 lbs, by express, \$1.25.

## CARROTS

**Vaughan's Mammoth Long Red Mangel.**

Our carrot seed is hand rubbed and raised from roots carefully sorted to type. Cheap seed is raised from field run roots.

**The Mastodon** This is the heaviest cropping carrot grown, yielding more tons to the acre than any other sort. The flesh is white, solid, crisp, and very sweet; the roots are short and very heavy at the shoulder, which allows them to be harvested very easily; They do not break easily in pulling or storing, owing to their solidity and shape. One of the most profitable carrots; liked by both cattle and horses. Pkt 5c, oz 10c, ¼ lb 20c, lb 65c postpaid; by express, 5 lbs, \$2.50.

**Vaughan's Half Long Danvers** This is a broad-shouldered carrot, cylindrical in shape, stump rooted, of excellent color, best flavor, and a most wonderful producer. Ready in about 65 days from the time of sowing. It is not only one of the best for the table, but owing to its shape, size, and great yield, and the fact that it is so easily harvested, one of the best for stock. Pkt 5c, oz 10c, ¼ lb 20c, lb 75c.; by express, 5 lbs, \$3.00.

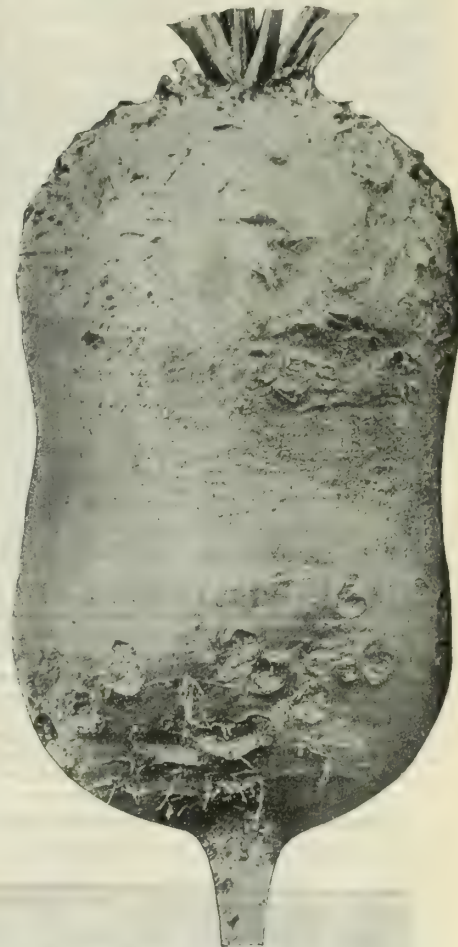
**Long White Belgian** A variety with long slender root, about one-third of which grows above the surface of the ground, thus making it easy to pull. It is very productive, highly nutritious and a good keeper. Pkt 5c, oz 10c, ¼ lb 20, lb 55c.; by express, 5 lbs, \$2.25.

**Long Orange Belgian** This sort is very similar to the white Belgian except in color. Its strong point is its keeping quality, making it of especial value for late feeding. Pkt 5c, oz 10c, ¼ lb 20c, lb 55c.; by express, 5 lbs, \$2.25.

**Improved Long Orange** A well-known sort; roots long, thickest near the crown, tapering regularly to a point; color orange. It is a good keeper of fine quality for winter use and extensively grown for stock feeding. Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 60c; by express, 5 lbs, \$2.50.

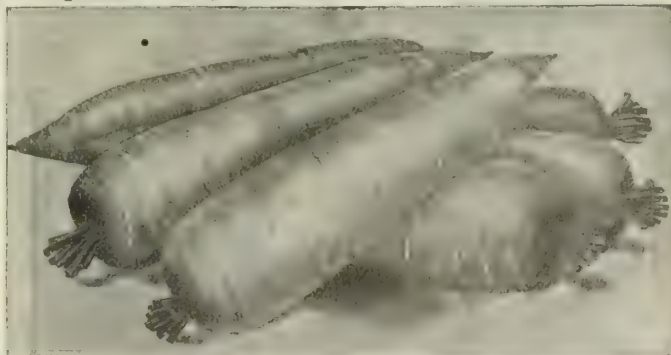
## GIANT ECKENDORF MANGEL

This is the most popular German variety of Mangel. In Germany is more largely planted than any other sort. Selected especially for a square, chunky type, it is valuable not only for its high percentage of dry matter, but also for its phenomenal yields. Roots weigh as high as fifteen and twenty pounds apiece. They grow cylindrical in shape and are yellow. As the greatest portion of the root grows above the surface of the soil, they are easily harvested, and their chunkiness prevents their breaking in handling. This is one of our best varieties. Oz 10c, ¼ lb 20c, lb 45c; by express, 5 lbs, \$1.75.



**GIANT ECKENDORF MANGEL.**

Carrots are well liked by all classes of stock. Their feeding value also is high. They are especially valuable for horses and may be fed alternately with oats. The stables of the largest and best teams in the large cities feed carrots once a day all winter and spring. "Horses, like human beings, require a variety of food and thrive best upon a ration that involves a change of diet." Carrots require a deep, well pulverized soil, fairly free from weeds. There are short varieties for shallow soil and long kinds for deep soil. Sow 5 to 6 pounds per acre.



**IMPROVED LONG ORANGE CARROT.**



Cauliflower is a vegetable that grows to perfection in but few localities. Ideal Cauliflower Seed of earlier types is produced only in Northern Europe. For nearly twenty years our stocks of this seed have been grown for us in Denmark. Conditions there are perfect. This seed, grown from heads especially selected for seed purposes, may be depended on for best possible crops.

# CAULIFLOWER

## VAUGHAN'S NEW SNOWBALL

A better strain of this popular vegetable cannot be found. A well-grown head will be perfectly white, very solid, 9 or 10 inches across and deep in proportion.

During the many years we have sold this to hundreds of critical market gardeners it has never failed to give best results.

We have further verified its merit at our Western Springs trial grounds, alongside of samples from many seedsmen who make the highest claims for their strains, and we have found none to excel **Vaughan's New Snowball**. We have only maintained the high quality of this particular seed for many years, by paying uniformly a price fully double that for which ordinary Cauliflower seed can be secured.

Carefully bred and grown Cauliflower seed is weaker in constitution, and, on the average, lower of germination than ordinary Cauliflower or Cabbage Seed. In order to bring up the standard of growth and germination of this variety we go to much pains to reclean, and resift our seed on its arrival from Europe and we supply our customers as nearly as possible with only the well matured and plump seed. Such cleaning often raises seed twenty to thirty per cent in germination.

Vaughan's New Snowball Cauliflower is put up in packages as follows: pkts,  $\frac{1}{4}$  oz,  $\frac{1}{2}$  oz, 1 oz, and  $\frac{1}{4}$  lb, sealed with our trade mark and with distinctive paper and printing. **Pkt 25c,  $\frac{1}{4}$  oz 75c,  $\frac{1}{2}$  oz \$1.40, oz \$2.50,  $\frac{1}{4}$  lb \$9.00, lb \$32.00.**

## DRY WEATHER CAULIFLOWER

During some seasons, especially like the past year, after a very late spring, hot weather comes on very quickly. In such a year this variety has proven itself of exceptional merit. Also in warm parts of the country, where there is not much cool weather, it is a most desirable sort. Very sure heading and second early. Heads larger than Snowball and snow white. Our seed is A1, and procured from the original grower in Denmark. Where a large acreage is planted, there should be at least a portion of it in this variety. **Pkt 20c,  $\frac{1}{4}$  oz 75c,  $\frac{1}{2}$  oz \$1.40, oz \$2.50,  $\frac{1}{4}$  lb \$8.50.**

The seed question in no other vegetable is as vital as in Cauliflower. Low priced Cauliflower Seed cannot be good.



DRY WEATHER CAULIFLOWER



## VAUGHAN'S EARLIEST DWARF ERFURT

Most desirable for forcing and for planting in the open ground. This is a thoroughbred strain of this popular variety. It is a trifle earlier than Snowball and dwarfed, otherwise quite similar. This seed will produce Cauliflower the equal of any on the market. Good strains of this seed have a fifty to sixty year pedigree. They are so highbred that it is very seldom the plants average a good seed crop, hence the best seed is always dear and scarce. Our seed is from a famous grower, whose strain is unexcelled. **Pkt 25c,  $\frac{1}{4}$  oz 75c,  $\frac{1}{2}$  oz \$1.40, oz \$2.50, 2 oz \$4.50,  $\frac{1}{4}$  lb \$8.50, lb \$30.00.**

## DANISH SNOWBALL, Vaughan's Special

This is a grand second early, slightly later than Vaughan's New Snowball. It is the result of long, careful selection, and produces even, regular heads. Through the many seasons we have sold this it has proven itself reliable, and gardeners may trust it every time. Sold by some seedsmen as Early Snowball. It is not so early nor does it run quite so evenly as does Vaughan's New Snowball. **Pkt 10c, 3 pkts 25c,  $\frac{1}{4}$  oz 40c,  $\frac{1}{2}$  oz 75c, oz \$1.50, 2 oz \$2.75,  $\frac{1}{4}$  lb \$5.00, lb \$20.00.**

## EARLIEST OF ALL

This is a Danish forcing variety of Snowball, slightly smaller and ten days to two weeks earlier than Early Snowball; very short-leaved, desirable for frames, and in the open ground, where early market is sought. Also, a very sure heading variety for the amateur. **Pkt 25c, 3 for 60c.**

**LARGE LATE ALGIERS** A vigorous late maturing variety for late fall use. Large heads. **Pkt 10c,  $\frac{1}{4}$  oz 25c,  $\frac{1}{2}$  oz 50c, oz 90c,  $\frac{1}{4}$  lb \$3.00**

**AUTUMN GIANT** In southern localities this meets with favor as a large heading late fall sort. **Pkt 5c,  $\frac{1}{4}$  oz 20c, oz 35c,  $\frac{1}{4}$  lb \$1.40, lb \$5.00.**

**EXTRA EARLY PARIS** Very dwarf and early; heading first class. **Pkt 5c,  $\frac{1}{2}$  oz 25c, oz 50c,  $\frac{1}{4}$  lb \$1.50, lb \$6.00.**

**HALF EARLY PARIS** Slightly larger and later than above. **Pkt 5c,  $\frac{1}{2}$  oz 25c, oz 50c,  $\frac{1}{4}$  lb \$1.50, lb \$6.00.**

**LENORMAND'S SHORT STEM** Bears large white head, on short stems. **Pkt 5c,  $\frac{1}{2}$  oz 25c, oz 50c,  $\frac{1}{4}$  lb \$1.85.**

**EXTRA EARLY, or SECOND ERFURT** A very fine strain, producing large, white, firm heads; close and of excellent quality. It is dwarf, extra early and always certain to head; for early or late. We sell this largely to gardeners, who prefer it to Snowball. **Pkt 10c,  $\frac{1}{4}$  oz 50c,  $\frac{1}{2}$  oz 85c, oz \$1.50,  $\frac{1}{4}$  lb \$5.00.**

**LARGE EARLY ERFURT** This is a vigorous growing variety, with large, white, firm heads. It is the very best sort for a second crop. **Pkt 10c,  $\frac{1}{4}$  oz 40c, oz 75c,  $\frac{1}{4}$  lb \$2.50.**

The best seed for early varieties of Cauliflower comes from a very limited area in Northern Europe.

Land in this region is high in value. Cauliflower Seed requires constant care and the crop is never a heavy one.

## CAULIFLOWER PLANTS

For people who have not hotbeds or who are late planting, we grow large quantities of all sorts of vegetable plants. (See page 137.)

## "Cabbages and Cauliflower"

Is the title of a very valuable treatise on the growing of these two articles, by James J. H. Gregory. Sent postpaid for 30c.



# CELERY

NEW CELERY  
CHICAGO GIANT SELF-BLANCHING  
A GRAND NEW WHITE  
SEE NOVELTY PAGE 5

## VAUGHAN'S CELERY MANUAL

By a practical grower, of 20 years' experience, revised and published by J. C. Vaughan. Price, postpaid, 25c. Will be sent free, with a Celery Seed order of \$2.00, or with any general order for other seeds, amounting to \$3.00, if requested.

## GOLDEN SELF-BLANCHING

This is the most popular and best yellow Celery for early use. In nearly all markets it is the leading sort. The stalks are much broader and heavier than those of the white varieties and greatly superior in quality. It is ready for use nearly as early as any other sort and produces dwarfer and much larger bunches with broad heavy stalks which blanch into a deeper golden yellow color than the other varieties. The color is very handsome, stalks are crisp, tender and free from stringiness. It is the standard of excellence in the yellow variety. Owing to a very short crop on the Continent this year we are able to supply only a limited amount of seed grown by the introducers in Paris. Our regular strain is grown in this country from seed of our selected stock and can be depended upon as reliable. Gardeners planting in quantities, however, use the selected seed.

**Vaughan's Selected Stock (Best French Seed)** Pkt 15c, ½ oz 30c, oz 50c, 2 ozs 95c, ¼ lb \$1.80, lb \$7.00.

**Golden Self-Blanching. Regular Stock.** Pkt 5c, ½ oz 15c, oz 30c, 2 oz 55c, ¼ lb \$1.10, lb \$4.00.

## VAUGHAN'S GIANT GOLDEN HEART

The best Celery for winter storage. Ever since we introduced this Celery it has gained in public favor and rightly so, for it is not only the best keeper, but it is large, solid, as sweet as a walnut and of a beautiful golden color. It is a selection from the Dwarf Golden Heart, grows much larger than its parent, but otherwise possesses all its excellent qualities.

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 75c, lb \$2.65.

## WINTER QUEEN

This is without doubt a most valuable variety of celery for winter and spring use ever introduced, even excelling the celebrated Perfection Heartwell as a late winter keeper. It is also much stouter, thicker and heavier, with double the amount of heart of any known Celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful cream white. Ribs perfectly solid, crisp and of a delicious nutty flavor. It is worthy of first place as a late celery, and will keep longer than any other variety. Grow Winter Queen once and you will always grow it.

Pkt 10c, ½ oz 15c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.25.

## NEW CELERY. SNOW WHITE

A pure white, self-blanching variety without a rival in purity of color in vigor of growth, ease of blanching, size, richness of flavor, crispness and purity it is ideal. It grows solid on all kinds of soil; keeps better than many standard varieties. Single stalks sometimes weigh 2½ pounds and quite frequently 3 pounds each.

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 75c, lb \$2.50.

Rev. A. F. Conrey, Lenox, Iowa, writes April 11th, 1908: "We used your Winter Queen Celery, and found it unsurpassed by anything we have ever used."



GOLDEN SELF-BLANCHING CELERY

The most popular of the early Celeries. Our seed selected stock is grown in France by the originator, and is free from "off" stalks, producing large heavy stalks, blanching to a deep golden yellow.

## WHITE PLUME

### VAUGHAN'S SELECT STOCK

The White Plume is so widely known it does not require an extended description. It is the most popular of all the White varieties. Its principal qualities are vigor, size, and at the same time being of good flavor, crisp and tender. The market gardeners throughout the northern country plant large quantities of this seed and find it uniformly white and free from green or hollow stalks. As a keeper it is not to be recommended, but is excellent for fall and early winter use as well as early spring.

Our selected stock is a most carefully selected strain of this valuable variety. We can recommend our selected stock as being the equal of any introduction offered of this variety. Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.10. By express, 3 lbs \$5.00, 5 lbs \$8.00.

**White Plume, Regular Stock** Pkt 5c, ½ oz 10c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.50.

## DWARF GOLDEN HEART

A fine long keeping golden dwarf celery. The heart is large, surrounded by a shapely solid stalk. After storing the heart blanches a beautiful golden, is unsurpassed in quality and is so large that little trimming is required for market. In many celery growing sections this variety is planted almost exclusively.

Pkt 5c, ½ oz 10c, oz 15c, ¼ lb 45c, lb \$1.60.

## GIANT PASCAL

One of the best for fall and winter use. It is a selection from the Golden Self-Blanching, and adds to the general good quality of its parent superior keeping qualities. The stalks are very large, solid, crisp and of a rich, nutty flavor. It blanches very easily and quickly. The heart is golden yellow, very attractive.

Pkt 5c, ½ oz 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.60.



WHITE PLUME CELERY

## STANDARD KINDS

Prices of these kinds: Pkt 5c, ½ oz 10c, oz 15c, ¼ lb 45c, 1 lb \$1.60, postpaid.

**Perle le Grand** A popular, extra large, fine green celery, for both early and late use. A fine winter keeper.

**Evans' Triumph** One of the best late sorts. Excellent quality and good keeper.

**Rose Ribbed Golden Self-Blanching (Golden Rose)** A sort of Golden Self-Blanching, possessing all its good qualities. The ribs assume a deep, warm, rosy hue. Pkt 10c, oz 25c, ¼ lb 75c, lb \$2.60.

**Perfection Heartwell** Magnificent, large, golden-yellow heart, of very superior quality; excellent winter market sort. Popular in New York.

**Schumacher** Immense size; solid, crisp; firm golden-yellow heart; a fine keeper; very popular in Philadelphia and New York markets.

**Far Superior "Many Heart"** Late; very large and fine; popular in Philadelphia.

**Boston Market** White and solid; very dwarf; crisp and tender.

**Crawford's or Henderson's Half Dwarf** Solid yellowish-white; nutty flavor.

**Giant White Solid** Of tall, large size; very solid; pure white.

**New Rose** The best of red celery, solid, crisp and ornamental.

**Kalamazoo** Half-dwarf; white and solid.

**Pink Plume** Similar to White Plume. Stalks are tinged with pink.

Pkt 10c, oz 25c, ¼ lb 60c, lb \$2.10.

**Soup or Flavoring Celery (Old Seed)** Used for flavoring soups, stews, etc. Oz 5c, ¼ lb 12c, lb 30c.

**Soup Celery or Smallage**

Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.50.

**Celeriac or Turnip Rooted Celery** See page 28

The winter varieties of celery are green in color when growing, and are blanched to yellow or white by "earthing or bedding up" the plants keeping them from the light. Vaughan's Giant and Dwarf Golden Heart, Giant Pascal, Winter Queen and Evans' Triumph are the up-to-date sorts.



## VAUGHAN'S VEGETABLE COOK BOOK

Tells how to cook and use rarer Vegetables, such as are listed on this page. Price, heavy paper cover, 25c; or free to every customer who buys garden seed to the amount of \$2.00 and upwards and asks for same.

**USEFUL VEGETABLES****GERMAN CELERIAC, Turnip-Rooted Celery**

A popular German vegetable worthy of more extensive cultivation. The roots, which are used in salads or boiled like parsnips or turnips, have a celery flavor that is particularly pleasant to those who like celery. These roots keep well all winter. Celeriac is deserving of much more popularity. To aid our customers, to whom this vegetable may be new, we send with our packets recipes for its table use.

**New Celeriac "Delicatess"** Produces perfectly smooth oval roots, without any side roots, and never rusts. Flesh is pure white, tender and of the best quality of all varieties of this vegetable. This size does very well on light soils. **Pkt 10c, 2 for 15c, oz 35c.**

**Giant Prague** This is unquestionably the largest and best Celeriac for main crop, and is the most popular with American growers. The roots are very large, almost twice the size of Erfurt, almost globe-shaped, smooth, and with only a few roots at the bottom. The flavor and quality are excellent. The common kinds of Celeriac, one sees while marketing, are often small and crooked, with a mass of unsightly and useless roots. The Giant Prague averages very regular in shape and has few side roots. It is a general favorite. **Pkt 5c, ½ oz 10c, oz 20c, ¼ lb 60c, lb \$2.10.**

**Earliest of All** This is a variety ready in June. Flesh pure white and very tender; roots of good size, fine quality and never woody. Foliage short and tubers remarkably smooth. On account of its earliness may be planted for succession as late as July. **Pkt 5c, ½ oz 12c, oz 20c, 2 oz 35c.**

**Large Erfurt** A standard variety. **Pkt 5c, oz 20c, ¼ lb 60c, lb., \$2.10.**



CELERIAC, Giant Prague.

**BRUSSELS SPROUTS**

These are miniature Cabbages formed on the side of the stalk of the plant. These have long been considered a choice delicacy in Europe, and are being appreciated by us more and more every year. The delicate flavor is improved by a touch of frost. The culture is practically the same as for cabbage. In the North, for early fall use, sow seed in April in hotbed; transplant to cold frame as soon as leaves develop, and set out, where the plants are to remain, in June. For late use sow seed in June.

**Imported Danish** A fine variety originating in Denmark. **Pkt 10c, ½ oz 25c, oz 40c.**

**Paris Market** Half dwarf. Excellent yielder. **Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.40.**

**Improved Dwarf** Dwarf habit, and less liable to aphids than the others. **Pkt 5c, oz 20c, ¼ lb 50c, lb \$1.50.**

**BROCCOLI**

A vegetable similar to Cauliflower, of less delicate flavor, but hardier. Of value in Northern latitudes, where Cauliflower does not do well.

**Large White Mammoth** Good white heads. **Pkt 10c, ½ oz 20c, oz 35c.**

**Purple Cape** This has purplish heads and resembles the Algiers Cauliflower in habit of growth. **Pkt 10c, ½ oz 20c, oz 35c.**

**CHICORY**

**Large-Rooted Madgeburg** The roots are cut in thick slices, roasted and used for coffee. The leaves in spring also make a good salad. **Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.25.**

**Witloof Chicory** (French Endive) One of the most delicious salads and very easy to grow. (See novelty pages.) **Pkt 10c, oz 25c, ¼ lb 60c, lb \$2.00.**

**COLLARDS, Georgia** A variety of Cabbage used in the Southern States. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

**DANDELION (Lowenzahn; Dent-de-lion)** There is a growing demand for cultivated Dandelions, which are fast becoming favorite Spring Greens. The thick-leaved or Cabbage variety we list is an improvement on the common sorts, being almost double the usual size. **Pkt 10c, ½ oz 25c, oz 50c, ¼ lb \$1.60, lb \$6.00.**

Knoxville, Iowa.—Will you please send us a Garden Catalogue at once. We have never bought seed anywhere that was as satisfactory as the ones we have bought of you.

S. J. MARSH.

**GARDEN CRESS**

**Cress or Pepper Grass** (Garten Kresse; Cresson Allenais) **Curled Garden;** Much used with lettuce, to which flavor it adds an agreeable pungency. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

**Upland Cress** Has highly prized flavor of Water Cress. Is green the whole year and ready for use before any other salad in the spring. **Pkt 5c, ½ oz 15c, oz 25c.**

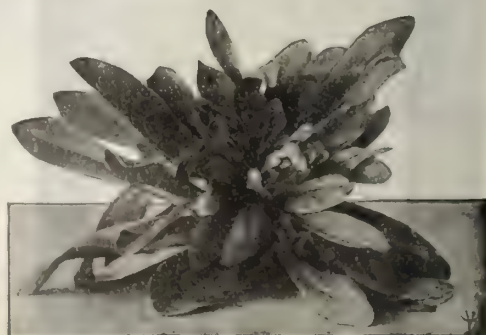
**Water Cress** (Wasser-Cresse de fontaine) The pleasant peculiar flavor of Water Cress makes it one of the most delicate salads for table use. It will grow where there is a good supply of fresh, pure water. It can also be grown in tubs of good soil kept in a shady place, provided sufficient water is given it. Cultural directions with each packet of seed. **Pkt 10c, 3 for 25c, oz 30c.**

**CARDOON** Main stalks, blanched like Celery, are used for salad and in soups. **Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.00.**

**CHERVIL (Koerbel; Cerfeuil)** Similar to Parsley, but handsomer. Excellent for garnishings. **Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.**

**CORN SALAD (Mache-Steck Salat)** A most refreshing salad. Is hardy, much used in winter in place of lettuce. May be sown either in spring or fall. **Pkt 5c, oz 10c, ¼ lb 20c, lb 60c, 5 lbs \$2.75.**

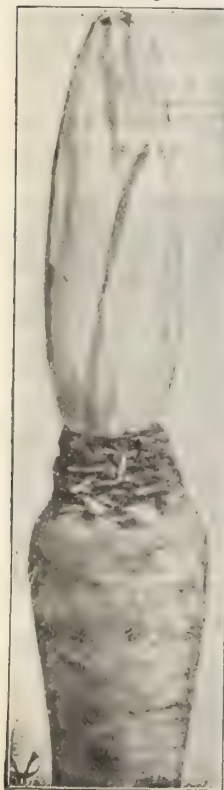
**Don't Forget** Full directions for planting and growing all vegetables and flowers may be had, in full detail, in **Vaughan's Garden Book.** It explains fully the most satisfactory and simple methods of raising the useful and delicious vegetables described on this page. Free with every order, if asked for.



CORN SALAD.



Paris Market Brussels Sprouts, showing stalk.



Witloof Chicory.



# SWEET CORN

# EARLY VARIETIES

## MAMMOTH WHITE CORY

The best bred and most popular of all the early Sweet Corns. Extra early in season and carefully bred so that size is combined with earliness. Ears as long as Early Cory, with two to four more rows. Kernels set close, so there is no loss of space on the cob. Eating quality is excellent, retaining its original sweetness after cutting longer than most sorts. Grains medium size, broad, sweet, and very white. The stalks are of medium size, vigorous and prolific, usually averaging two ears to the plant.

Our Seed stock has been carefully grown and seed stock each year is selected and bred according to the single ear row method as developed by scientific field corn growers. Ears are dried in crates to prevent loss of germination.

Pkt 10c, pint 15c (by mail 20c), quart 25c (by mail 35c), ½ peck 75c, peck \$1.35, bu \$5.00.

**MALAKOFF** (See Novelty Page) Is the earliest real Sweet Corn. Ears and stalks small.

Pkt 10c, pint 15c (by mail 20c); quart 30c (by mail 40c). By express, 2 qts 45c, 4 qts 80c, peck \$1.50.

**EARLY IOWA** (See Novelty Page) It is the earliest Sweet Corn, with ears of good size and quality.

Pkt 10c, pint 20c (by mail 25c); quart 35c (by mail 45c). By express, 2 qts 50c, 4 qts 90c, peck \$1.60.

**PEEP O' DAY** One of the earliest of Sweet Corns. Grows about 3½ feet high. Bears nearly always two ears on the stalks. This variety is very similar to Malakoff; except the quality with us is not so good. Kernels of good white color. Our Seed is raised in the North to insure earliness. Pkt 10c, pint 15c (by mail 20c); quart 30c (by mail 40c); ½ peck 75c, peck \$1.35, bushel \$5.00.

	Pkt.	Pt.	Qt.	Pk.	Bu.
Early Cory.....	10c	15c	25c	\$1 10	\$4 25
Adam's Early .....	10	15	25	1 00	3 50
Adam's Extra Early.....	10	15	25	1 00	3 50
Crosby's Early.....	10	15	25	1 25	4 50

If by mail, add 5c per pint, 10c per quart.

**MAMMOTH WHITE CORY**  
Actual size.



**EARLY EVERGREEN**  
About one-third natural size.

## GOLDEN BANTAM

A new early Sweet Corn, considered by many people the richest and sweetest of all corns. Some of our customers who prefer this sort to all other kinds are planting it at regular intervals during the season so they may have a continual supply for their table.

In season it is medium early, about a week later than Cory, and is the best yielder of the early varieties. The stalks are of medium size with heavy foliage, of value for forage. It may be planted thickly and as late as July 20th in the Middle States. The ears are borne two to a stalk and are about six inches in length and eight-rowed. The kernels are a golden yellow color, which at first gives the impression of field corn; however, as soon as tasted there is an immediate call for more. Our Seed has been selected especially for table quality. Pkt 10c, pint 15c (by mail 20c), quart 30c (by mail 40c). By express, 2 qts 45c, 4 qts 75c, peck \$1.40.

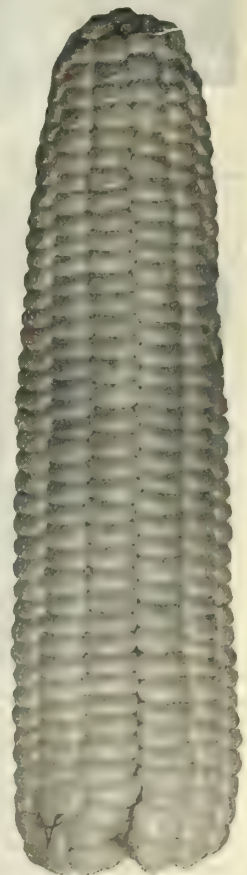
**EARLY MINNESOTA** This is an old favorite extra early Sweet Corn, not as early as Mammoth White Cory by a few days. Eight to ten rowed; excellent quality; large white grain and extremely productive. This latter is its most pronounced distinctive quality. Pkt 10c, pint 15c (by mail 20c); quart 25c (by mail 35c), ½ peck 70c, peck \$1.25, bushel \$4.50.

**PREMO** Of the white extra early Sweet Corns, this is the best quality; stalks of medium height; ears 8-rowed, rather large, quite hardy, so it may be planted early. Pkt 10c, pint 15c (by mail 20c); quart 25c (by mail 35c); ½ peck 70c, peck \$1.25, bushel \$4.50.

**METROPOLITAN** A popular early variety in the Eastern States; season between Minnesota and Champion. Ear 10 to 12 rowed; kernel large and very sweet; very hardy, and germinates better than most varieties in cold soil. Is ready for use or sale between the extra early and second early sorts. Pkt 10c, pint 15c (by mail 20c), quart 25c (by mail 35c), ½ peck 75c, peck \$1.35, bu \$5.00.



**Golden Bantam**  
The sweetest of all early Sweet Corns.  
Two-thirds natural size.



**EARLY CHAMPION**  
Two-thirds natural size.

## SECOND EARLY AND LATE SORTS

### EARLY CHAMPION

Of the second early varieties this is the most popular and has the largest ear. It is one of the earliest large Sweet Corns. Season is two weeks later than Mammoth White Cory and the ears compare favorably with later sorts, like Evergreen. The ears are 12-rowed, very uniform. Kernels are pure white and not too large, very sweet, tender and full of milk. Cob is medium size and white; stalks are vigorous, a good many yielding three ears to the stalk. In some localities much planted by gardeners for both early and late planting. The small kernels make the ears more attractive than Evergreen. We have a very uniform and well bred stock.

Pkt 10c, pint 15c (by mail 20c); quart 25c (by mail 35c); ½ peck 70c, peck \$1.25, bushel \$4.50.

### EARLY EVERGREEN

Very large ears; ripens about 8 to 10 days in advance of Stowell's Evergreen, of which it is a slightly smaller edition. The variety remains green for a long time, and in Northern localities it is much surer of making than Stowell's Evergreen. Pkt 10c, pint 15c (by mail 20c), quart 25c (by mail 35c). ½ peck 70c, peck \$1.25, bushel \$4.50.

### BLACK MEXICAN

Everyone who has seen this Corn remembers it and the delicious sweetness and fine grain qualities in spite of its dark color, making it more and more of a favorite every year. Eight to 10 rowed; ears about 8 inches long; kernels bluish purple to black and rather flat. Pkt 10c, pint 15c (by mail 20c), quart 25c (by mail 35c), ½ peck 70c, peck \$1.25, bushel \$4.50.

### VAUGHAN'S BLACK SUGAR

This is an Eastern grown selection of the Black Mexican variety. Our grower has selected it for large maturing ears and high sugar qualities. For one who has never grown this Corn its quality is a revelation.

Pkt 10c, pint 15c (by mail 20c), quart 30c (by mail 40c), ½ peck 75c, peck \$1.35, bushel \$5.00.



# SWEET CORN

## Medium and Late Varieties

### STOWELL'S EVERGREEN

The best and most popular of all Sweet Corn varieties. Its reputation is based largely on its productiveness and large, handsome ears with fine flavored deep kernels, very white in color. This variety has been a specialty of our house for many years and we have the very best seed it is possible to find. New England grown seed has generally shown by its flavor and shriveled ripened kernels a higher percentage of sugar than found in the productions raised in other sections of the country. We offer both New England seed and that raised in the Central States.

**Stowell's Evergreen (Eastern Connecticut grown)** Pkt 10c, pint 15c (by mail 20c), quart 30c (by mail 40c), ½ peck 75c, peck \$1.35, bushel \$5.00.

**Stowell's Evergreen (Western grown Eastern stock seed)** Pkt 10c, pint 15c (by mail 20c), quart 25c (by mail 35c), ½ peck 70c, peck \$1.25, bushel \$4.50.



STOWELL'S EVERGREEN

The Middle West is the center of pickle growing and manufacture. Vaughan's Seed Store supplies thousands of pounds per year for this purpose.

Vaughan's Original  
Chicago Pickle.

### CHICAGO or WESTERFIELD PICKLE

This standard variety is an introduction of our own and we maintain its high quality with great care. We supply many of the leading growers of the country with our selected seed. For general pickling purposes it is the best cucumber. The fruit when ripe is medium length, pointed at both ends, with large, prominent black spines. The small fruits are just the right shape for the best grades of pickles and command the highest price from manufacturers. Vines set fruit when young and continue bearing longer than any other variety.

Pkt 5c, oz 10c, ¼ lb 40c, lb \$1.25. By express, 10 lbs \$10.00.

### COUNTRY GENTLEMAN

In general this Corn is the sweetest and most delicious of all Sweet Corns. It is a late main crop variety. It is easily distinguished by the small, very irregular, deep, pure white kernels which are deliciously sweet, very milky and tender. The stalks are of medium size, producing several medium sized ears. If you plant in home garden do not fail to plant this variety.

Pkt 10c, pint 15c (by mail 20c), quart 30c (by mail 40c), ½ peck 75c, peck \$1.35, bushel \$5.00.

Pkt. any of the following, 10c. If by mail, add 5c to pint and 10c to quart prices for postage.

	Pt.	Qt.	½ Pk.	Pk.	Bu.
Kendall's Early Giant	15c	25c	70c	\$1.25	\$4.50
Early Mammoth	15	25	70	1.25	4.50
Moore's Early Concord	15	25	70	1.25	4.50
Old Colony	15	25	70	1.25	4.50
Hickox	15	25	70	1.25	4.50
White Evergreen	15	30	75	1.35	5.00
Late Mammoth	15	30	75	1.35	5.00

### SWEET CORN FOR SUCCESSION

The following kinds afford a succession of Sweet Corn throughout the season when planted at the same time: Malakoff (see novelty pages), Mammoth White Cory, Early Champion, Stowell's Evergreen and Country Gentleman. We make the following special offer:

By	At
mail	buyer's
Special Offer No. 18. One pkt. each of post-ex- the following: Mammoth White Cory, paid pense Champion, Stowell's Evergreen.....	\$0.25 \$0.20
Special Offer No. 18A. One pint each of the above three sorts.....	.50 .35
Special Offer No. 18B. One quart each of the above three sorts.....	.95 .65
Special Offer No. 18C. One ½ peck each of the above three sorts.....	2.00
Special Offer No. 18D. One peck each of the above three sorts.....	3.75
Special Offer No. 18E. One bushel each of the above three sorts.....	13.75
Early Malakoff, Mammoth White Cory, Early Champion, Country Gentleman and Stowell's Evergreen.	
Special Offer No. 18F. One pkt. each of above five sorts.....	.45 .40
Special Offer No. 18G. One pint each of above five sorts.....	.85 .60
Special Offer No. 18H. One quart each of above five sorts.....	1.70 1.20
Special Offer No. 18J. One ½ peck each of above five sorts.....	3.40
Special Offer No. 18K. One peck each of above five sorts.....	6.35

COUNTRY GENTLEMAN  
The sweetest of all corns.

## CUCUMBERS

### IMPROVED JERSEY PICKLE

This famous sort makes splendid vinegar pickles on account of its color, making what pickle men call "light" pickles, excellent for "Gherkins." It is very prolific. Its shape in the ripe fruit is broader at the tip than at the stem end, while in the pickle state it is nearly straight. Our seed is finely selected and product very uniform.

Pkt 5c, oz 10c, ¼ lb 40c, lb \$1.25.

### THE CUMBERLAND PICKLE

Good for both pickles and slicing. This variety, of the hardy White Spine type, is a rapid, strong grower and is very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines, except on the extreme stem end, making it excellent for slicing. The flesh is very firm, crisp and tender at all stages.

Pkt 5c, oz 10c, ¼ lb 45c, lb \$1.25.

**WEST INDIA GHERKIN** A very small oval prickly sort, distinct from all others. It is grown for pickles only and must be used when young.

Pkt 10c, oz 30c, ¼ lb 75c, lb \$2.50.

**VAUGHAN'S XXX PICKLING (See Novelties)** Fruits protrude from under the vine, making pickling comparatively easy.

Pkt 10c, oz 15c, ¼ lb 40c, lb \$1.50.

	Pkt.	Oz.	¼ lb.	Lb.
Extra Early Green Prolific or Boston Pickling	5c	10c	30c	\$1.00
Early Cluster	5	10	30	1.00
Fordhook Pickling	5	10	30	1.00
Early Frame or Short Green 5	10	30		1.00

## PICKLING VARIETIES



### SNOW'S FANCY PICKLING

A selection made originally from the Chicago Pickle by a veteran Western pickle grower. The type is shorter when ripe than the Chicago Pickle and is broad at the stem end, tapering slightly to the tip. It is the best type of Pickle. The small Pickles are quite like Chicago Pickle, but have an added value where blight is prevalent, as being small fruit less strength is taken from the vine and a larger crop is produced. We offer a most carefully selected strain of seeds from fields inspected by us and under our direct supervision.

Pkt 5c, oz 10c, ¼ lb 40c, lb \$1.25.



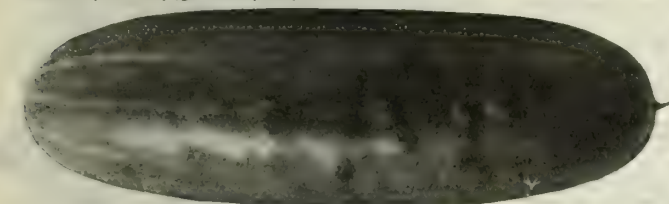


VAUGHAN'S IMPROVED ARLINGTON WHITE SPINE

### VAUGHAN'S BOSTON FORCING WHITE SPINE

Darker than Arlington and more slender. The fruits are 8 to 10 inches in length; very even and smooth; the whitish markings are faint; and more blended with green than usual. Remarkably prolific and of great value for hot-bed or greenhouse use where a medium-sized fruit is in demand. As regards productiveness, it bears almost twenty-five per cent more fruit than other forcing strains. Fruits from our seed command the highest market prices in New York, Philadelphia, and like cities during the forcing season. In Southern localities of highest value for outdoor planting.

Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 40c, lb \$1.35.



### EXTRA LONG WHITE SPINE

**Vaughan's Selected Stock** The Extra Long White Spine, or Evergreen, as it is sometimes called, is the standard and most popular of the long white Spine varieties. Compared to the Davis Perfect, it is not so long, ten to twelve inches in length, and of rather longer diameter.

In season it is early, vigorous and prolific; more blight-proof than the ordinary long sorts. The fruits are a dark shiny green color; flesh which is ripe white. In shape straight and smooth. The flesh is crisp, tender and of superb flavor; for general market and home use without a superior. Our seed is the result of a number of years of exhaustive trials, and is a selection from the pick of different strains of many growers.

Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 40c, lb \$1.25.

### ENGLISH FRAME CUCUMBERS

**Rollison's Telegraph** A standard greenhouse variety. English greenhouse grown stock. Pkt 50c.

**Prescott Wonder** A fine flavored sort. Good yielder. Pkt (50 seeds) 25c.

**Carter's Model** One of the best English varieties Immense size. Straight and smooth. Pkt (25 seeds) 25c, 3 for 65c.

**Noa's Forcing** An old standard. Pkt 50c.

**Vaughan's Prolific Forcing** This is early and shorter than other sorts. Very uniform and a good yielder. Pkt (25 seeds) 20c, 3 for 50c.

### ODD CUCUMBERS

**Japanese Climbing** This sort grows quickly, climbing poles or trellis, thus taking up very little room in the garden. The fruits are of good size and of fine flavor, adapted especially for slicing and salads. Does best in dry, warm summers. Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 45c, lb \$1.50.

**Lemon Cucumber** This is better known as the Garden Lemon and belongs in the same class with Mango Melon. You will find both of these fine preserving vegetables listed among Melons on page 37. Pkt 10c, oz 25c.

**Serpent or Snake** A peculiar long cucumber, usually much twisted. Pkt 5c, oz 20c.

## CUCUMBERS

### FOR SLICING

The White Spine Cucumbers are the most popular market and home garden sorts for slicing. There are many types, each particularly adapted to certain conditions.

Vaughan's Improved Arlington is of medium length, prolific and extra early. Improved White Spine is several days earlier but not of so good color or appearance. Cyclone short and extremely early.

Boston Forcing similar to Vaughan's Arlington, darker green, more pointed.

Davis' Perfect is the most vigorous and popular long cucumber today, and as soon as perfectly fixed to type will displace the other long sorts because of the greater vigor. Extra Long White Spine is next in popularity.

Other long white spine sorts are New Century, Rocky Ford and Fordhook Famous.

Black spine varieties for slicing are Improved Long Green, Cool and Crisp, and Emerald.

### VAUGHAN'S IMPROVED

### ARLINGTON WHITE SPINE

(7 to 10 inches)

Of the medium-sized Cucumbers, the Arlington type is the most desirable. The color is a glossy green throughout the entire length and the shape straight and symmetrical; in season early; quality the best, tender and excellent flavor. Vaughan's Improved Arlington is a superior strain of this type and recognized as standard by all growers. As a home-garden sort and for the Southern trucker an ideal variety; a little too short for Northern market growers. Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 40c, lb \$1.35.

**NEW CENTURY** A fine long strain of white spine, 8 to 10 inches in length—very thick, uniform, smooth and straight. It holds its dark green color remarkably well so that altogether it is one of the best for slicing.

Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 35c, lb \$1.25.

**DAVIS' PERFECT CUCUMBER**—New—See Novelty pages. One of the very handsomest of the very long white spine cucumbers.

Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 50c, lb \$1.75.

**FORDHOOK FAMOUS** White Spine. As long as the "Davis" slightly bent but very handsome, twelve to seventeen inches long. Quality is superb. Color a very dark green, never turning yellow. Very vigorous.

Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 50c, lb \$1.50.

**CYCLONE** A short variety, three to four inches in length; the earliest of all White Spine Cucumbers; prolific. Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 40c, lb \$1.25.

**IMPROVED WHITE SPINE** Medium length. The fruits are very straight, light green color. A fine yielder under all conditions. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb \$1.00.

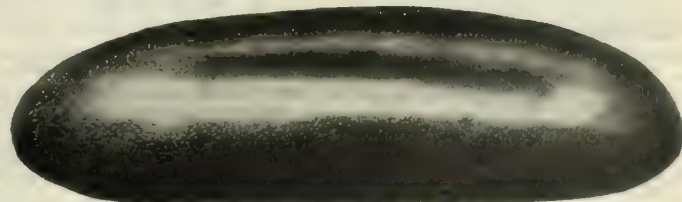
**ROCKY FORD (Klondike)**—White Spine. A fine market garden sort—between the New Century and Arlington in size—slightly earlier, however. A wonderful keeper, good dark green color, which it keeps. Fine for shipping.

Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 40c, lb \$1.35.

### IMPROVED LONG GREEN

**Vaughan's Selected Stock. One of the Best for Slicing and Pickles.** A selection from the Long Green. The vines are very vigorous and productive. The fruit which is about 12 inches long is formed almost as early as the short sorts. They are firm, crisp and of fine flavor. Those desiring a long dark green black spine cucumber will find our strain unsurpassed. The fruits make excellent pickles and when ripe they make the very best sweet pickles.

Pkt 5c, oz 15c,  $\frac{1}{4}$  lb 40c, \$1.25. By express, 5 lbs \$5.00.



### IMPROVED LONG GREEN

**Cool and Crisp** A splendid cucumber for slicing. Early and prolific. Owing to its dark green skin, which is covered with knobs upon which the black spines set, this sort makes a fine appearing pickle. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 40c, lb \$1.25.

**Emerald** A very smooth and almost spineless cucumber. Color a fine dark green which it retains well. Its quality for slicing is excellent.

Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 35c, lb \$1.25.

**Nichol's Medium Green** An old popular variety. Medium in length, as name implies. Color dark green; flesh crisp and of good flavor. The vines are productive, season early, and the fruit straight and smooth. Good for both pickling and slicing. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb \$1.10.



**EGG PLANT**

**Vaughan's Improved New York, Large Purple** Our strain of this standard variety is of the very finest type, absolutely spineless. The plants grow low, stalky and branching. They bear early and almost continuously. The fruits are large, smooth, and have a rich satiny purple color. We take particular pride in our fine even strain of this variety. Pkt 10c, ½ oz 20c, oz 35c, ¼ lb \$1.25, lb \$4.50.

**Black Beauty** An Egg Plant from ten to twelve days earlier than New York Spineless. The fruits are broad, thick, very attractive in form and of good flavor. Its rich, lustrous purple black color adds to its attractiveness. For the Northern home garden and truckers' use, it is the most desirable kind. Not so good a yielder as the improved New York. Pkt 10c, ½ oz 25c, oz 40c, ¼ lb \$1.35, lb \$5.00.

**Black Pekin** The fruit is round and almost black. Flesh white, solid, fine grained and delicious. Quite early, and of good marketable size. Pkt 5c, ½ oz 20c, oz 30c, ¼ lb \$1.00, lb \$3.50.

**Very Early Dwarf Purple** Extremely early. Resembles the New York Improved in shape and color; however, is smaller and earlier. Pkt 5c, ½ oz 20c, oz 30c, ¼ lb \$1.00, lb \$3.50.

**GARLIC, Selected Bavarian**

**KNOBLAUCH—AIL.** This is a particularly fine strain Garlic. It is larger and more even than ordinary Garlic, keeps longer and is snowy white. Lb 25c, 3 lbs 65c, 5 lbs \$1.00, 10 lbs \$1.85. If by mail, add 10c per lb for postage. **ORDINARY GARLIC**—Write for prices.

**HORSE RADISH SETS**

**NEW BOHEMIAN HORSE RADISH, or Maliner Kren.** An introduction of the U. S. Department of Agriculture. A much earlier and better producer than the common sort. The roots grow larger and whiter and the quality is superior. All growers should have it. Sets or Roots, doz 25c postpaid, by express 50 for 50c, 100 for 85c.

**ORDINARY HORSE RADISH.** Roots will produce good Radish, fit for use in one season's growth. Plant the set small end down, so that the top will be 2 in. under the soil. 100 for 60c (by mail 75c), 300 for \$1.75, 500 for \$2.50, 1000 for \$4.00.

**ENDIVE**

**ENDIVEN SALAT—CHICOREE—ENDIVE.** No vegetable garden is complete without this most refreshing and delightful Autumn and Winter Salad. Sow the seed from the middle of June until the end of August.

**GREEN CURLED.** This is the standard variety for both fall and winter crops. The leaves are finely divided, giving the plant a mossy appearance. Makes a beautiful show when the centers are blanched. Pkt 5c, oz 10c, ¼ lb 35c, lb \$1.10.

**STAGHORN.** This is the best Endive for early, as it does not go to seed if planted in the hot-bed and transplanted out of doors, which fact gives it an advantage of early growth and brings it into the first early market, where it is a "money maker." It has sold at from 25c to 30c per dozen in the Chicago market. Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**GIANT FRINGED, OR "OYSTER."** A remarkably handsome variety; the snow white heart contrasting with the fine fringed green outside. Season Fall and Winter. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**MOSS CURLED.**—Tender, fine quality. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 35c; lb., \$1.10.

**BROAD LEAVED.**—Leaves large, broad, slightly curled. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

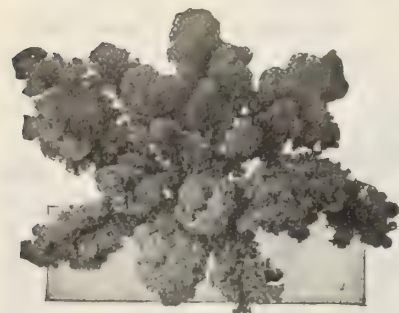
**EVER WHITE CURLED.**—Very crisp and tender. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.40.

**KALE, or BORECOLE**

One of the best plants for greens. Well known and much planted by German-Americans, but little used by others. Besides its eating value, it is extremely ornamental in the garden. The greens are for early Fall, Winter and Spring use. Sow seed about the middle of June, and later transplant to rows from 2 to 2½ feet apart. The Dwarf can be sown later, and need not be transferred to furnish nice heads. A good frost improves the quality.

**DWARF GREEN CURLED KALE.** This is harder than Cabbage. The leaves are as curly as Parsley, tender and of very fine flavor. Immense quantities of this are grown in the South and shipped to Northern markets. We have an excellent strain. **Vaughan's Extra Selected Stock.** Pkts., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**VAUGHAN'S EXCELSIOR MOSS CURLED KALE.** This is by all odds the best Kale in existence. The plants grow from 18 to 21 inches high and produce as many as 50 usable leaves to a plant. The leaves are very curly and in flavor are unsurpassed. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$2.00.

**EXCELSIOR MOSS CURLED KALE.**

**TALL GREEN CURLED.** Fine curled. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**SIBERIAN.**—Sometimes called "Sprouts" and "German Greens." Not so curly as the Dwarf Green Kale. The plant is low, but spreading and very hardy. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**SEA-KALE.** A vegetable long known but only recently valued through the late strong recommendation of the Department of Agriculture. It is ready for use earlier than Asparagus, has the combined flavor of Asparagus and Celery, and its blanched stalks are cooked like Asparagus, or with its leaves are used as greens. Sea-Kale comes usually from seed, but can be grown from offsets or root cuttings. The long tap root requires a rich deep soil. Plant in rows four to six feet apart. The seedlings yield a crop the third year, though reports are made of a crop the year following the seeding. As soon as shoots show above the half-frozen ground, blanch with earth, sand, boards, etc., until ready for use. Pkt., 5c; oz., 30c; ¼ lb., \$1.00.

**KOHLRABI.** Sow seed June and July. Rows 18 in. apart. Thin to 1 ft.

People who have not tried this excellent vegetable in their gardens have a treat in store for themselves. The bulbs are formed above ground, and are cooked like turnips when young. They then have a much sweeter flavor than turnips.

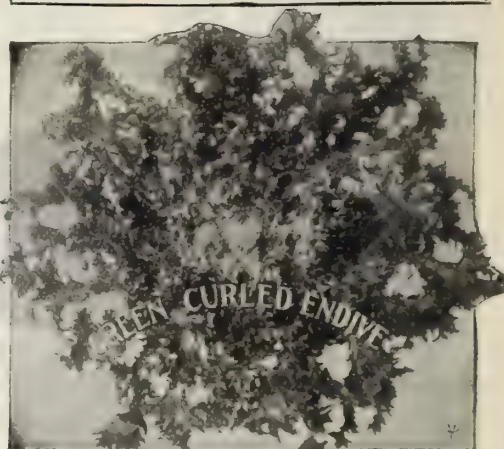
**KING OF THE EARLIES.** This is an extra choice strain of white Kohlrabi, of very quick growth, very tender and of excellent flavor. The leaves are short, which admits of close planting and raising in frames for early use. This is a vegetable not sufficiently known and appreciated. We enclose with orders directions how to raise and cook. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$3.00.

**EARLY WHITE VIENNA.** White, tender. Pkt., 5c; 1 oz., 20c; 2 oz., 40c; ¼ lb., 60c; lb., \$2.20.

**EARLY PURPLE VIENNA.** Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.20.

**SHORT TOP EARLY ERFURT.**—Excellent for forcing in open ground; flesh white, very tender, leaves very short. Pkt., 5c; ½ oz., 15c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; lb., \$2.75.

St. Joseph, Mo.—In sending you my order this year for my "pocket handkerchief" garden, I should like to tell you what excellent success we have had with your seeds. Last summer was an unfavorable one to gardeners in this vicinity, but our small plot was a joy and a delight. Our neighbors on each side, who purchased their Sweet Pea Seeds of local dealers, had only a few weakling plants, which bore a handful of blossoms and died. Our 50-foot hedge was a mass of long-stemmed, feathery blossoms until frost. From a 5-cent package of Pansy seed I had blossoms to bestow on my friends all summer. Our Lettuce and Radishes were the best in the neighborhood. All of which has convinced us that it pays to buy Vaughan's seeds. As far as we could judge, every seed we planted came up, and having come up, thrived. We cordially recommend your seeds to all our friends, and wish you the prosperity you deserve. **MRS. LESLIE F. HAUCK.**

**TO BLANCH ENDIVE**

When full grown, gather the plant into a bunch, when perfectly dry, and tie together near the top; in a short time they will be perfectly blanched.

**KOHLRABI, WHITE VIENNA.**



# HERBS—Sweet, Pot and Medicinal.



**SWEET MARJORAM—MAJORAN—MARJOLAINE.**

For flavoring soups, meats, etc., a few pot and sweet herbs are necessary for every garden. If they are to be used during the winter, the stalks should be cut on a dry day, when not quite in full bloom. They should then be dried quickly in the shade, and when dry be packed closely in boxes with the air entirely excluded.

Varieties preceded by an \* are perennials.

**ANISE.** Used for garnishing, seasoning and for cordials. Pkt., 5c; oz., 10c; lb., 80c.

**\*BALM.** Used for making Balm wine and tea. Pkt., 5c; oz., 20c.

**BASIL, Sweet.** The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt., 5c; oz., 15c; lb., \$1.35.

**BENE.** The leaves immersed in a tumbler of water make a drink very beneficial in cases of dysentery. Pkt., 5c; oz., 15c.

**BOHNENKRAUT.** See Summer Savory.

**BORAGE.** Flowers excellent for bees. Leaves used in salads. The flower spikes can be used in cooling drinks. Pkt., 5c; oz., 15c; ¼ lb., 40c.



**BORAGE—GURKENKRAUT—BOURRACHE.**



**ROSEMARY.**

**CARAWAY.** Seeds are used for flavoring bread, pastry, meats, etc. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**CATNIP or Catmint.** Grown for bee pasture. The leaves and young shoots are used for seasoning. Pkt., 10c; oz., 30c.

**\*CHIVES.** Used for seasoning. Plants, per clump, 10c; doz., \$1.00. By mail, add 5c per clump for postage. Seed, pkt., 10c; ½ oz., 30c; oz., 60c.

**CORIANDER.** The seeds are used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 45c.

**DILL.** Leaves are used in pickles and for flavoring soups and sauces. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**\*FENNEL.** The leaves boiled are used in fish sauces and are beautiful for garnishing. The seeds are used for flavoring. Pkt., 5c; oz., 10c; ¼ lb., 25c.

**FENNEL FLORENCE.** An excellent legume with agreeable aromatic flavor, somewhat resembling celery, but with sweet taste and a more delicate odor. Very distinct from Common Fennel. Height of plant, 2 ft. Directions for culture and use given with each order. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**\*HENBANE.** The growing plants are supposed to absorb malaria. Pkt., 5c; oz., 15c.

**\*HOP SEED.** Pkt., 15c.

**\*HOREHOUND.** The leaves are used for flavoring and also in the manufacture of cough remedies. Pkt., 5c; oz., 15c.

**HYSSOP.** The tops and flowers are used for Hyssop tea. Pkt., 5c; oz., 15c.

**\*LAVENDER.** The leaves are sometimes used for seasoning, but the plant is chiefly grown for its flowers, which are used in the making of perfumes. Two kinds.

**LAVENDER TRUE (Lavendula vera).** The best. Pkt., 10c; oz., 35c; lb., \$3.50.

**Lavendula spica.** Not quite so strong. Pkt., 5c; oz., 10c; lb., \$1.00.

**LAVENDER PLANTS.** Give much better results than seed. First size, 15c each; 3 for 40c; doz., \$1.25; 2nd size, 25c each; doz., \$2.00, postpaid.

**MARJORAM (Sweet).** The leaves and the end of the shoots are used for flavoring in summer and they are also dried for winter use. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.25.

**\*MINT, Old Fashioned.** For mint sauce and juleps. Plants 1 yr. old, 10c each; doz., \$1.00 postpaid. Plants 2 yrs. old, 20c each; doz., \$2.00 postpaid. Large plants (by express), 50c each; doz., \$4.00.

**PENNYROYAL.** Leaves are used for seasoning puddings and various dishes. Pkt., 10c.

**PEPPERMINT.** The leaves and stems are used for flavoring, but particularly for the distillation of the essence of peppermint. 25 seeds, 10c; 100 seeds, 30c; 500 seeds for \$1.25.

**PIMPINELLA (Burnett.)** The young tender leaves are used as salad; they have a flavor resembling that of cucumbers. Pkt., 5c; oz., 15c.

**ROSEMARY.** The leaves are used for seasoning. Pkt., 5c; oz., 25c.

**\*RUE.** For medical purposes; good for fowls for the croup. Pkt., 5c; oz., 15c.

**SAFFRON.** Used for coloring certain dishes, also flavoring. Pkt., 5c; oz., 10c; ¼ lb., 30c.

**SAGE, Holt's Mammoth.** The plants are of strong growth, attain a height of 1 ft. the first season and spread so that a single plant covers a space 2 ft. in diameter. They are perfectly hardy and make a still larger growth the second season. Price, each, 15c; 3 for 25c; 7 for 50c; 15 plants for \$100; by mail, postpaid.

**SAGE.** Leaves and tops are used for seasoning and stuffing. Pkt., 5c; oz., 15c; lb., \$1.75.

**SUMMER SAVORY.** The leaves and young shoots are used for flavoring, especially for boiled string beans. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**TAGETES LUCIDA.** This possesses in its green parts almost exactly the true Tarragon flavor; of easiest culture. Pkt., 5c; ½ oz., 15c.

**\*TARRAGON (Artemisia dracunculus).** For vinegar making. The leaves, dried or fresh, are steeped in ordinary vinegar. The flavor thus added is much liked. A hardy perennial. Plants only. First size, 15c each; doz., \$1.00; 2nd size, 25c each; doz., \$2.50, postpaid.

**THYME.** Used for seasoning; a tea is also made for nervous headache. Pkt., 5c; ½ oz., 15c; oz., 25c; lb., \$2.40.

**\*WORMWOOD.** Beneficial for poultry; should be planted in poultry yards. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.20.



**FLORENCE FENNEL.**

**CHAMOMILE (Matricaria Chamomilae).** The dried flowers possess medicinal value. Prescribed by physicians as an emetic and vermifuge. Pkt., 10c; ¼ oz., 25c.

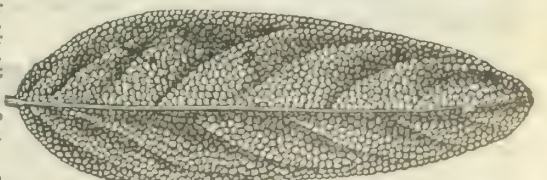
**WALDMEISTER (Asperula Odorata).** Used in May Wine and also for scenting clothes. Pkt., 10c.



**LAVENDER—LAVENDEL—LAVENDE.**



**SUMMER SAVORY—BOHNENKRAUT—SARRIETTE**



**HOLT'S MAMMOTH SAGE.**  
Plants Only.



CULTURE—See "Vaughan's Vegetable Garden," a copy of which is free to buyers of Vaughans Seeds.—Ask for it.

## LETTUCE.

CURLED OR LOOSE  
LEAVED SORTS.

Two ounces of seed to 100 yards of row, 4 pounds to the acre, 40 to 50 days from seed to maturity.

We not only have grown for us special stocks of Lettuce for gardeners, but also make special trials and selections in our own fields at Western Springs, Ill.

### BLACK SEEDED SIMPSON.

**Vaughan's Selected Stock.** This is by far the most popular of all Lettuces in those localities where leaf lettuce is grown. For the amateur gardener who does not transplant nor thin his crop and therefore has no success with head lettuce, this is the best sort. It grows a large leaf of ideal green color, the inner leaves forming a loose head. The leaves are quite thin, very tender, crisp, and of fine quality. It is the most desirable all-around lettuce. Good under glass, and excellent for frames or early planting. Moreover, during the summer it withstands the heat as well as any other sort. It is largely planted, and is the best outdoor leaf lettuce for market gardeners.

Our strain is a very fine one; all our stock seed being saved each year from extra selected plants.

Vaughan's Select Stock: Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., \$1.25.

Black Seeded Simpson, ordinary stock: Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

### GRAND RAPIDS LETTUCE.

For Winter forcing in Greenhouse there is no variety that produces such results as the Grand Rapids. It is a leaf lettuce; the leaves are very finely curled, and are of very handsome appearance. In habit, it is a strong grower, and will keep from wilting longer while exposed for sale than any other variety. Its upright habit admits of very close planting in Greenhouse, and in the garden. One of the very best leaf lettuces for outdoor use. Our selected stock has been especially grown for greenhouse use, and runs wonderfully even and true to type.

Vaughan's Extra Selected Stock: Pkt., 5c; oz., 15c; 2 ozs., 25c; ¼ lb., 40c; lb., \$1.25; 5 lbs., \$5.50.

Ordinary stock: Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c; 5 lbs., \$3.25.

**Tilton's White Star.** A distinct variety of the Black Seeded Simpson type, which grows larger and more rapidly. Its leaves are broader, thicker, darker and a little less frilled at the edges. Forms a large loose head, blanches well, and is of good quality. A desirable sort for outdoor use, as it is slow running to seed. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

**Denver Market Forcing.** An early variety of loose headed type, either for forcing or open ground. Forms good

sized heads of light green color. Leaves are handsomely marked and blister similar to a Savoy cabbage. Very crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

### LEEK—LAUCH

#### PORREE.

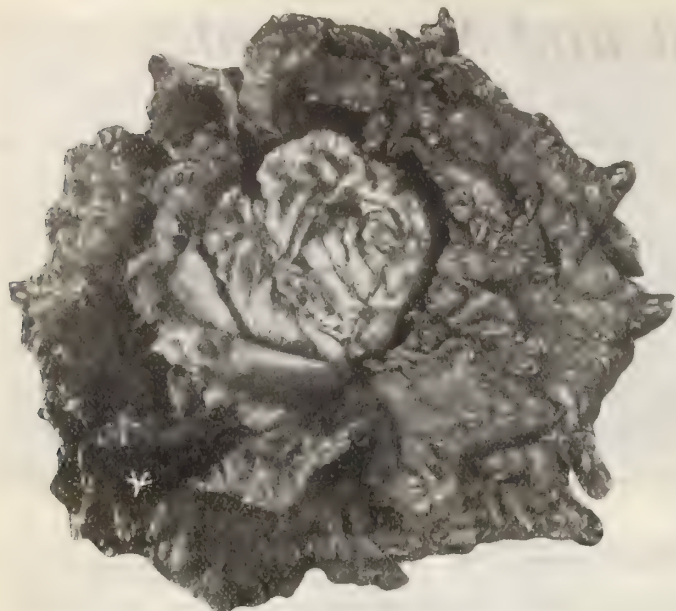
**Long Mezieres.** One of the most desirable of the Leek varieties. Has broad, vigorous, erect leaves, and long, good-sized stem, of snowy-white color, and best flavor. It is very hardy. For market garden use is unsurpassed. Pkt., 10c; oz., 25c; ¼ lb., 40c; lb., \$1.50.

**Bulgarian Winter.** This is one of the most desirable of Leeks, being extremely hardy and of enormous size, the stock being tender up to a height of 15 in. Pkt., 10c; ½ oz., 15c; oz., 25c; 2 ozs., 40c.

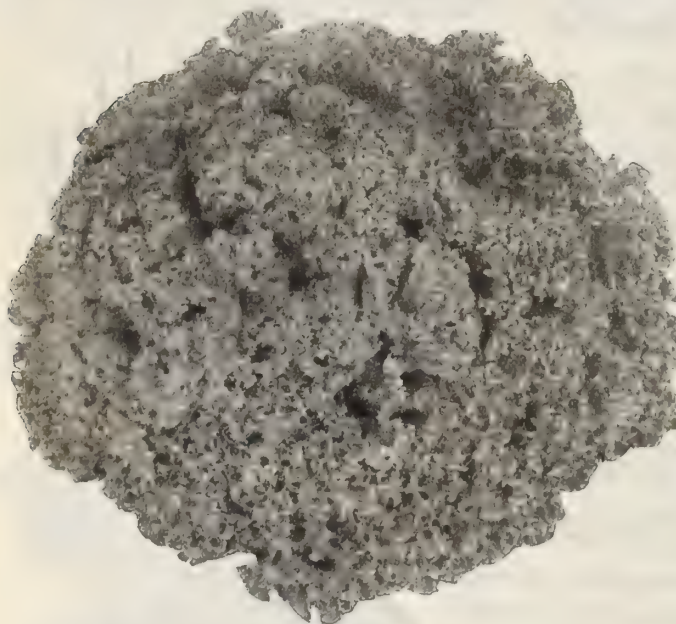
**Broad Scotch or London Flag.** Hardy. A large, strong plant with broad leaves. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.10.

**Large Musselburgh.** Enormous size, leaves large and broad, mild, pleasant flavor. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.10.

**Rouen, Very Large Winter.** Large and excellent, enormous in size, best of all. Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.25.



BLACK SEEDED SIMPSON. Most Desirable for the Amateur's Garden.



GRAND RAPIDS.

**Early Prize Head.** For many years the most popular of the large loose headed sorts. The leaves are thin, crimped and fringed, the outer sides being somewhat shaded with brown. Exceedingly crisp, sweet and tender. Excellent for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

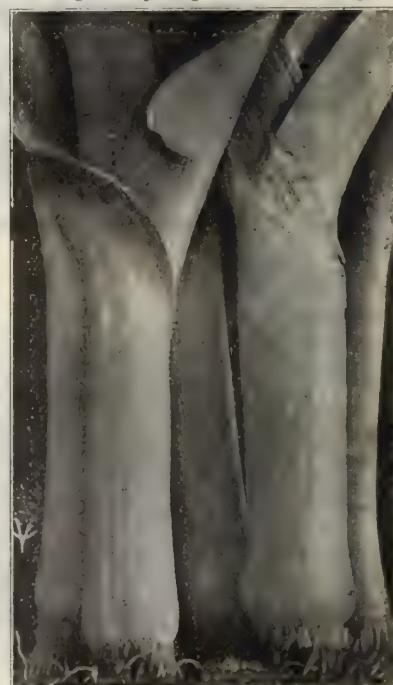
**Early Curled Silesia.** It is the old favorite, dwarf, compact habit, and thick growth. The crisp golden leaves have finely curved edges. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

**Early Curled Simpson.** White seeded. One of the best of the leaf lettuces. Quite similar to Early Curled Silesia. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

**The Morse.** A careful selection from the Black Seeded Simpson by a seed grower of large experience. A very desirable strain of this type of lettuce for growing under glass. Leaves are beautifully wrinkled, and of a bright green color. In quality, the very best of the loose leaved sorts. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 85c.

### EARLY HEAD LETTUCE. May King.

A desirable, very early head lettuce has long been sought. This new variety meets the requirements. Growth rapid—so rapid it is ready far ahead of other heading sorts. Heads medium sized with outer leaves folding close to the head, thus permitting close planting for frame work; color fine, outer leaves tinged slightly brown; heart of a beautiful appetizing yellow; quality excellent, leaves being exceedingly tender. Pkt., 10c; ½ oz., 12c; oz., 20c; ¼ lb., 35c; lb., \$1.25.

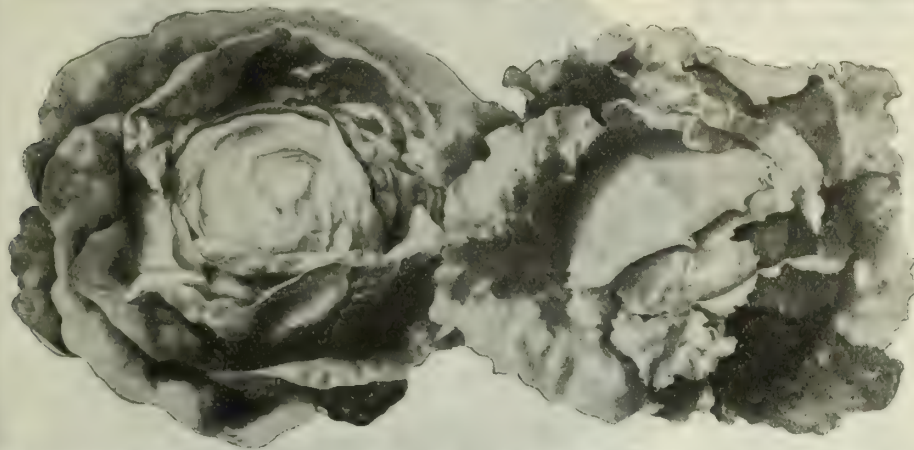


LONG MEZIERES.



Field and Greenhouse Trials for Germination and Purity are Made of All Our Lettuce Seed

## CABBAGE or HEAD LETTUCE



**Vaughan's All Seasons Lettuce**  
A distinct sure heading variety for all seasons. Heavy thick leaves, buttery and of delicious flavor.

**Improved Hanson** A heat resisting curled leaved lettuce for mid-summer planting. Crumpled leaves, crisp and tender, inside portions being almost white.

### Vaughan's All Seasons

When we introduced this distinct mid-season variety in 1897, it at once jumped into great popularity and is today unsurpassed as a head lettuce for general home and market garden use in Northern climates. Around Chicago it is the most popular of all the head lettuces. Its features are large, handsome, extremely solid head, almost as large as a Flat Dutch Cabbage; color, a light grayish green, never spotted nor brownish; leaves broad and the head being large, the inner leaves are beautifully blanched; very slow to run to seed; sure heading; and the quality excellent, decidedly buttery with thick leaves of much substance. Chicago gardeners find our introducer's selected seed far superior to that offered by other seedsmen. Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 35c, lb \$1.25.

### BLONDE BEAUTY

We consider this a most splendid sort, and worthy a trial in every garden. It resists the heat to a remarkable degree and is also an excellent keeper after being cut; is tender, sweet, crisp and juicy. It is a distinct sort, recommended for shipping and the home garden. Pkt 5c, oz 15c, 2 ozs 25c,  $\frac{1}{4}$  lb 35c, lb \$1.10.

### CALIFORNIA CREAM BUTTER

This is one of the best of the Summer varieties of Head Lettuce. The heads are of good size, and are so very solid they often have to be cut before the seed stalk can appear. They are crisp, have a rich, buttery flavor and are an ornament to the table. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb 90c.

### ST. LOUIS BUTTER HEAD

This fine sort attracted the attention of many visitors at St. Louis during the recent fair. It has been a local variety there for a number of years, one of the local market growers growing a special strain, which has attained high popularity. The head is large and solid as a cabbage with beautiful, crumpled, yellow inside leaves of the finest quality. Since its introduction in other markets it has had a large demand. Our Chicago gardener customers plant a large acreage of this variety. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb \$1.00.

### OTHER GOOD SORTS

Price: Any of the following, Pkt 5c, oz 10c.

**BROWN DUTCH.** The standard early brown sort.  $\frac{1}{4}$  lb 30c, lb 90c;

**BUTTERCUP.** The lightest green and most yellow of all sorts. Excellent quality.  $\frac{1}{4}$  lb 30c, lb 90c.

**FORCING MILLY.** A very early variety.  $\frac{1}{4}$  lb 25c, lb 85c.

**GIANT CRYSTAL HEAD.** White and solid, extra quality.  $\frac{1}{4}$  lb 30c, lb \$1.00.

**GIANT GLACIER.** The largest of head lettuces.  $\frac{1}{4}$  lb 30c, lb \$1.00.

**MAMMOTH BLACK SEEDED BUTTER.** Large hard heads. A favorite everywhere.  $\frac{1}{4}$  lb 30c, lb 90c.

**NEW YORK.** Very white leaves. Large.  $\frac{1}{4}$  lb 30c, lb \$1.00.

**SALAMANDER.** In all seasons, good, standard lettuce.  $\frac{1}{4}$  lb 30c, lb 90c.

**TENNIS BALL.** Black seeded. One of the best standard, all purpose varieties.  $\frac{1}{4}$  lb 30c, lb 90c.

**TENNIS BALL.** White seeded. A good forcing sort.  $\frac{1}{4}$  lb 30c, lb 90c.

**WHITE SUMMER CABBAGE.** A very hardy all round green leading variety.  $\frac{1}{4}$  lb 30c, lb 90c.

### Improved HANSON

This standard variety is the most planted of all head lettuce. It is a well known and well tried sort and its merits have been proven on all markets. One of its popular characteristics is the wonderful heat and drought resisting quality, when used for outdoor summer planting.

It forms very large firm heads, with broad leaves, beautifully curled and crinkled and exceedingly tender and sweet. The outside leaves are shining green and the inside ones almost white, formed into a compact, hard globe shaped head. For all sections the Improved Hanson is fine for market and in the home garden. In the Central States where there is a great deal of hot summer sun it is the best. A sure header and reliable it will always be a favorite.

Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb 90c.

### PERPIGNAN, or Defiance

Is unequaled for long standing. One of the finest new varieties of Head Lettuce, which stands the summer heat better than most others. It forms very large, solid heads, so firm that they have to be cut open to allow the flower shoots to come through. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb 90c.

### DEACON

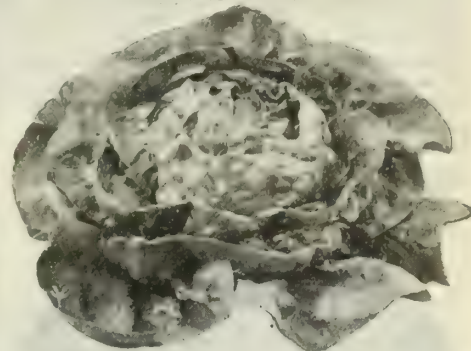
Is a large solid, most satisfactory variety, in the family garden or for market. Growing to large size, it is later than most of the other varieties, but is the most sure-heading of any large buttery variety. The interior of the head blanches to a beautiful golden yellow, and is of a rich buttery flavor. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb 90c.

### MAXIMUM, or Immensity

A wonderful new Lettuce, remaining a long time, even in the hottest weather, without going to seed. It is green outside and yellow in the center. It is one of the largest and most solid of Head Lettuces and its quality is of the best. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb \$1.00.

### ICEBERG

An extremely hard heading variety. Leaves have small indentations. Good for home and market. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 30c, lb 90c.



BIG BOSTON

### BIG BOSTON, Vaughan's Selected Stock

The best large heading early variety. The most popular variety for the Southern gardener who ships North. Also very valuable as first early in the North. Plants are large, vigorous; leaves are bright light green, very tender. Our strain is unsurpassed. Many gardeners in the South will plant only Vaughan's Big Boston. Pkt 5c, oz 15c, 2 oz 25c,  $\frac{1}{4}$  lb 35c, lb \$1.25.

### UNRIVALED

A light green strain of Big Boston. Pkt 5c, oz 15c, 2 oz 25c,  $\frac{1}{4}$  lb 40c, lb \$1.25.



EXPRESS COS LETTUCE

### COS LETTUCE

These Lettuces have a distinct upright habit and are considered by many to be the highest quality of all lettuces. Very crisp and sweet.

**EXPRESS COS.** The most dwarf and earliest of all. Delicious flavor. Self closing. Pkt 10c, oz 15c,  $\frac{1}{4}$  lb 50c, lb \$1.50

**PARIS WHITE COS.** Grows to large size. Self-closing. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 40c, lb \$1.10.

**TRIANON COS.** Similar to above, but grows whiter and matures earlier. Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 40c, lb \$1.10.



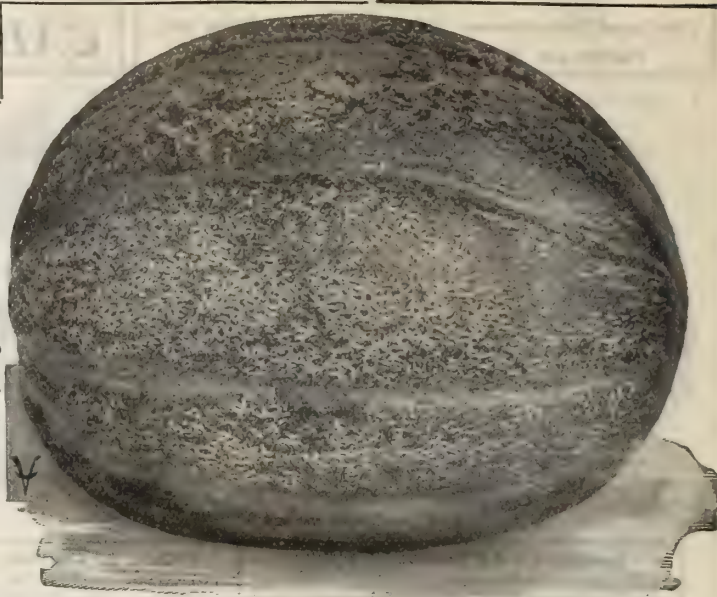
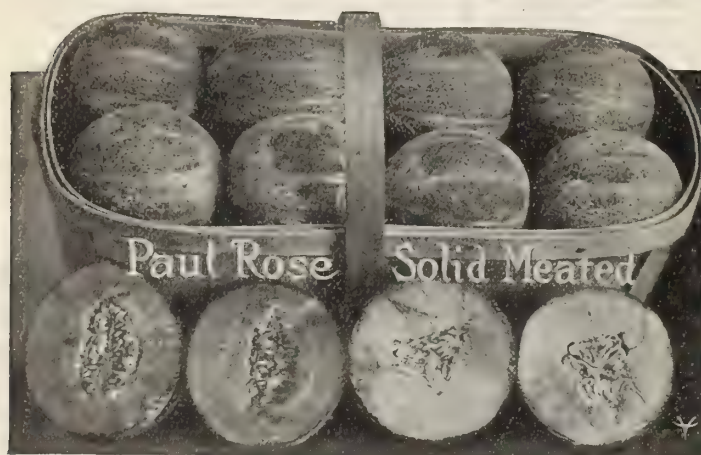
# MUSKMELONS

## VAUGHAN'S ORIGINAL OSAGE

We hardly need to repeat the fact well known to all gardeners that this now famous melon was first sent out by Vaughan's Seed Store, and that our firm paid ten times the ordinary seed-growing prices for the special care which was and still is given to saving the seed sent out by us. The Melon is known in all markets by name, on the bills of fare of many leading hotels and prominent restaurants in the largest cities of the United States. It is distinct, quite large, probably three times the size of the ordinary (Netted Gem), and has a deep salmon flesh which is of a peculiar cheeselike texture. The melon holds its good flavor in nearly all its fruits much better than most kinds, that is, a well-grown Osage Melon is seldom poor in quality, while many Gems and other types are found flat and insipid when cut, although the melons themselves appear to be all right. The Osage is well liked everywhere and each year finds an increased demand for VAUGHAN'S type from consumers in the hotels and restaurants where melon buyers and users are most critical. Our type has a rather dark skin and moderately netted as shown in the illustration. The rich orange flesh is extremely thick and of highest flavor.

Price: Selected Stock Seed, pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 75c, lb \$2.60.

Regular Stock Seed, pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.35.



VAUGHAN'S ORIGINAL OSAGE

## VAUGHAN'S PAUL ROSE or PETOSKEY

The Paul Rose Muskmelon produces a higher percentage of high quality table melons, every crop, than any other variety (except the Rockyford grown under irrigation). This melon is a hybrid between the Osage and Netted Gem, combining the best points in both parents. It has the thick reddish salmon flesh, the firmness and cheesy structure of the Osage; the netting and shape resemble the Rockyford and the rich flavor is distinctly its own. Ripens ten days earlier than the Osage; is a perfect basket melon, does not break down in shipping. It will pay you to come to us, the originators for Paul Rose Melon Seed.

Price: Selected Stock Seed (Michigan grown), pkt 10c, oz 25c; 2 ozs 40c, ¼ lb 75c, lb \$2.60.

Regular Stock, pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.35, 5 lbs by express \$5.00.

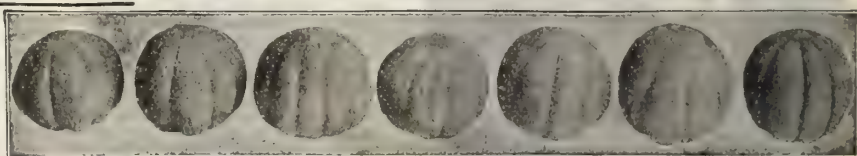
One of our melon seed customers reports selling, at wholesale prices from one and three-fourths acres of land \$640 worth of Osage Melons.

**VAUGHAN'S "HOODOO" MELON** "As like as peas in a pod." Read full description on Novelty pages in the front of this book. This new melon is the equal in its many different points and the superior in its all round qualities of any melon before the public to-day. The sweetness and quality the best; salmon flesh; productive, uniform; gem size the best for sowing; early; and a superior shipper.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 70c, lb \$2.50.



TIP TOP MUSKMELON



**TIP TOP** Selected Stock. A Melon we recommend to every lover of this luscious fruit and to every gardener who grows for the market. It is a yellow fleshed Melon of the very best quality; every Melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. A strong grower, heavy yielder and of handsome appearance. Pkt 10c, oz 20c, ¼ lb 45c, lb \$1.60.

**Extra Early HACKENSACK** This is a selection of the old Hackensack, which it resembles, but it is fully ten days earlier. The melons weigh from 4 to 10 lbs. and are of excellent flavor. Those who grow for market should remember that it is one of the best, as well as the earliest, hardest and most prolific of Netted Musk Melons. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.35.

**HACKENSACK**, Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb \$1.35.

**SPECIAL SHIPPING OSAGE** We have this year a small quantity of a special strain of this melon, slightly more netted than original type, that has been selected particularly as a shipping melon. While it retains all the good points of the original, the prices are a little high, but the additional cost of selection compels. Pkt 10c, oz 20c, ¼ lb 50c, lb \$1.80.

In no other market crop is the general public so confined in use to particular local varieties. We are always glad to furnish our customers any information of benefit which we may have derived from our thirty years of experience.



EXTRA-EARLY HACKENSACK



# MUSKMELONS

## GEM TYPES

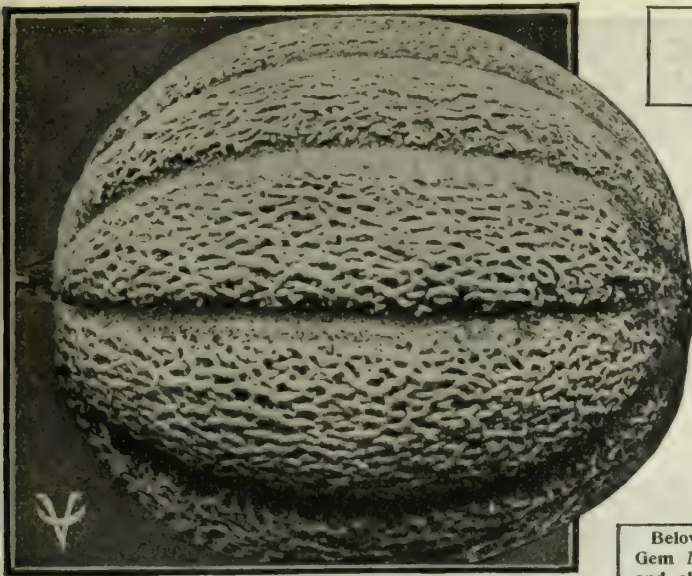
### NETTED GEM, ROCKY FORD—Selected Stock

We are supplying this season very carefully saved Rocky Ford (Colorado) seed of this variety. It is well known that much seed offered of this variety has been saved by local canteloupe shippers from the surplus or cull Melons, by men who know nothing and care less about the true responsibility of the seed trade. Such seed is dear as a gift to any Melon grower. With the great number of seeds in the single pound and the great possibilities in the quantity of fruits from such a number of seeds, it will be readily seen, that the actual cost of the choicest possible seed is only a small fraction of a cent on a whole crate of Melons. Why should any grower then hesitate to use the very best obtainable?

**VAUGHAN'S SELECTED STOCK.** (From best melons.) Pkt 10c, oz. 20c, ¼ lb 50c, lb \$1.75.

**ORDINARY STOCK.** (Seed from entire field planted only for seed.) Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

Below follows a list of popular Gem Melons of different sizes and shapes.



NETTED GEM, ROCKY FORD

### VAUGHAN'S IMPROVED

#### MILWAUKEE MARKET

This is a fine new melon that made its appearance in Milwaukee a few years ago. It originated as a cross between the old Surprise and a Gem melon. Our strain has been improved by careful selection and we think for a fine home melon and a market-wagon variety it has no superior. The melon is light green in color, nearly round with only slight sutures, flesh a salmon color, wonderfully sweet, with almost no stringiness. In Milwaukee this melon has always commanded prices much higher than the Rocky Ford. As a home garden melon we consider this variety ideal.

Pkt 10c, oz 25c, ¼ lb 75c, lb \$2.50.



MILWAUKEE MARKET

**JENNY LIND** Vaughan's Selected Stock. This Melon is unexcelled in eating qualities. The rind is thicker on the ends than in the old variety so that it does not "break down" easily in shipping, and yet it retains the flattened ends which by many is considered as giving good appearance and also permits compact placing in baskets or crates.

Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.35.



JENNY LIND

**OVAL GEM** Our regular stock of this at the following prices is first-class, carefully selected seed, such as no gardener need hesitate to plant.

Pkt 5c, oz 10c, ¼ lb 35c, lb 90c.

**BENTON HARBOR GEM** This is a selection made by the best growers in the Michigan melon district.

Pkt 10c, oz 15c, ¼ lb 40c, lb \$1.25, 5 lbs \$4.75.

**ROUND GEM** This is the true original type of Netted Gem originated in Philadelphia, but our grower has improved it by weeding out so far as possible the oval type.

Pkt 5c, oz 10c, ¼ lb 30c, lb 85c.

### THE OSAGE GEM

Combines the shipping qualities and flavor of the Osage and Netted Gem (Rocky Ford). A splendid shipper. Outside like the Netted Gem, inside like Osage or Paul Rose, it pleases the eye on sight and confirms the impression by its color and exquisite flavor when cut. It has two great advantages for the gardener. First, it will sell for the highest prices in any market where "Gems" are popular. Second, when cut it will please all customers who prefer a salmon fleshed melon.

Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.60.

**VAUGHAN'S CHICAGO MARKET** This we consider the best Nutmeg for earliness of maturity, large and uniform size, thickly netted skin, small seed cavity, deep green flesh, juicy delicious flavor and freedom from rot. A favorite with all who prefer a green flesh sort.

Pkt 10c, oz 20c, ¼ lb 45c, lb \$1.60.

**MONTREAL MARKET** The very largest of all nutmeg sorts. The fruits sound, flattened at the ends and have very broad ribs. Flesh is green, fine quality.

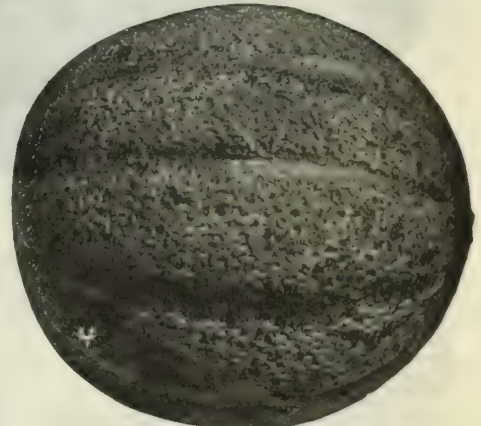
Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.10.



### EMERALD GEM

One of the very sweetest of melons. The skin is smooth and of deep emerald color. Flesh is very thick and of a delicate salmon color. The vines bear early and are very prolific. For a home-garden melon this is one of the very best on account of its superb quality. It is not a good shipper, on account of its thin rind. Our seed is of the very best, selected from best and sweetest melons only.

Pkt 10c, oz 20c, 2 oz 35c, ¼ lb 60c, lb \$2.10.



THE OSAGE GEM MUSKMELON

**CHAMPION MARKET** The flesh is thick; light green in color and of very rich, sweet flavor. It is as early as the Netted Gem, which it resembles in shape and appearance, but is fully three times larger; very prolific and a good shipper.

Pkt 10c, oz 20c, ¼ lb 40c, lb \$1.40.

### OTHER GOOD SORTS

**THE SYRACUSE.** The largest superior quality melon. Specimens weigh 6 to 9 lbs. Skin grayish green, flesh light green.

Pkt 5c, oz 10c, ¼ lb 30c, lb \$1.10.

**EARLY CITRON, LANDRETH'S.** Very early half flat sort. Flesh green, of fair quality.

Pkt 5c, oz 10c, ¼ lb 25c, lb 80c.

**BANANA.** Cucumber shape. Delicious odor. Rather late maturing.

Pkt 5c, oz 20c, ¼ lb 50c, lb \$1.85.

**EXTRA EARLY NUTMEG.** Nutmeg shape. Very early; green flesh.

Pkt 5c, oz 10c, ¼ lb 35c, lb \$1.00.

### MANGO MELON (Vegetable Peach)

Of golden yellow color, resembling an orange in shape and size, the flesh is snow white. They make splendid mangoes, stuffed like Peppers. For sweet pickles, pies and preserving they have no equal. Packet has cooking directions. Large Pkt 10c, 3 for 25c.

**GARDEN LEMON** or Lemon Cucumber. Fruits short, nearly round, with yellow and green markings, skin smooth, flesh exceedingly tender and of sweet melon flavor. Best when just turning yellow. Makes good preserves. Pkt 10c, 2 for 15c, oz 25c.

### FORCING MELONS

Highest Table Quality; Suited for Greenhouse Growing  
**Emerald Gem Forcing.** Salmon flesh, early, uniform. Pkt 15c.

**Turner's Seedling**—Originated by Wm. Turner of New Jersey. Grows between Royal Favorite and Al High Quality, robust and free setting. Pkt (25 seeds) 50c.

Al. Superb. Scarlet flesh.

Best of All. Green flesh.

Bienheim Orange. Scarlet flesh.

Diamond Jubilee. Green flesh.

Invincible Scarlet. Scarlet flesh.

Royal Sovereign. White flesh.

Prices of above, except where noted, each, pkt 25c.  
"Your Hoodoo Melon is a great success. It comes fine. Up here it is the finest we ever ate."

STEPHEN FORBES, Marinette, Wis



# WATERMELON



COLE'S EARLY—The Best Early Watermelon

**Vaughan's Black Diamond** A cross between Kolb's Gem and Hoosier King. All that could be said of Kolb's Gem as to good shipping qualities can be truthfully stated in a higher degree of the Black Diamond. All of this melon, but its prominent point of merit is its **extreme size**—no melon ever yet produced anything like so uniformly large fruit, nor approached it in productiveness. Melons weighing from 75 to 90 lbs. are frequent. It is the most prolific Water Melon ever planted. Its color is a rich, dark green, almost black. Its symmetrical shape, roundish to bluntly oval, is uniform throughout the field. The vine is extremely vigorous. Pkt 5c, oz 10c, ¼ lb 25c, lb 75c; by express, 5 lbs \$3.00.

**True Ice Cream** An early season, delicious home market melon. It has too thin a rind for shipping. Few, if any, melons surpass this for quality and productiveness. Flesh bright scarlet, solid to center, melting and delicious. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

**Alabama Sweets** A Southern favorite and at present the most popular shipping Texas melon. Dark green color, good size and excellent quality. We have an especially fine strain. Pkt 5c, oz 15c, ¼ lb 30c, lb \$1.00.

**Kleckley Sweets** The best quality of all Water Melons. Large oblong Melon, 20 inches in length, by 10 to 12 inches in diameter. The skin is dark green, flesh bright scarlet, the rind only about one-half inch in thickness. The scarlet flesh is sweet and sugary and is of such texture that it leaves no strings of pulp whatever in eating. The Melon is better for home use than for shipping, and we believe it is the best table Melon today. Monte Cristo is very much like it. Pkt 5c, oz 10c, ¼ lb 20c, lb 70c; by express, 5 lbs, \$2.50.



KLECKLEY SWEETS

The home or market garden in the Northern States should have an early Water Melon. The best one yet found for this section is Cole's Early. Its chief fault is it does not ship. The sweetest of Water Melons is the Kleckley Sweet. The best market varieties in the warmer states are Black Diamond, Kolb's Gem, Sweetheart, Triumph and Alabama Sweets.

## COLE'S EARLY

This is the best early Water Melon and is the most desirable variety for northern growing. The vines are sturdy and are very productive, outyielding many of the late sorts. Melons are of medium size, with thin, brittle rind, so not good for shipping. Flesh a fine red of delicious texture and excellent quality. This melon continues bearing for a long season. We have a carefully selected northern grown strain. Pkt 5c, oz 10c, ¼ lb 25c, lb 75c; by express, 5 lbs \$3.00, 10 lbs \$5.50.

**Winter Watermelon** This melon is early, earlier than Sweetheart, and is a very prolific bearer. The flesh is red, of extreme firmness—in fact, almost hard as citron—very brittle and deliciously sweet. In color it is very light green, almost white. The firmness of the flesh causes it to be the longest keeper of the water melon family. Placed in a cool place, it will keep long into the winter and still retain its delicious sweetness and flavor.

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c, ¼ lb 60c, lb \$2.00, postpaid.

**Fordhook Early** A good shipping large early Water Melon. This variety has been extensively exploited by Pennsylvania seedmen, who make very strong claims for it. We find it not as early or as sweet as Cole's Early. Short shape, but chunky and heavy.

Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.

**McIver's Wonderful Sugar** One of the sweetest of Water Melons. Season rather late. The melon is of medium size, elongated shape and striped exterior. Rind thin and a poor shipper. Its value lies in its remarkable quality for the home, garden, or nearby shipments. Flesh is a beautiful red color of fine texture and stringless. The vines are strong and productive. Light colored seeds.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c; by express, 5 lbs \$3.00.

**Sweetheart** Our strain is a notably sweet-hearted kind for home and market use, and will hold its own in the Water Melon patch for many years to come. Vine vigorous and productive, ripening its fruit early; fruit large, oval, very heavy, uniformly mottled, light and dark green, rind thin but firm; flesh bright red, firm and solid, but very tender, melting and sweet. A fine shipper.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c; by express, 5 lbs \$2.25, 10 lbs \$4.00.

**Iceberg or Blue Gem** Similar to Kolb's Gem but darker. It has a firm, hard rind and is quite as good a shipper as that variety. The flesh is much deeper in color, comes closer to the rind, is much sweeter and more tender. We think this variety much the best dark-colored shipping melon yet produced.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

**Improved Kolb's Gem** The standard shipping Water Melon. Shape, oblong, nearly round, striped and mottled, dark green. The melons grow very large and the tough, though thin rind, permits considerable handling and shipping.

Our improved strain is a week earlier than the ordinary Kolb's Gem, grows larger and is a heavier yielder. Quality fair. Pkt 5c, oz 10c, ¼ lb 60c; by express, 5 lbs \$2.25.

**Triumph** It is a cross between Duke Jones and Kolb's Gem. It has the handsome appearance and dark green color of the former and the shipping qualities of the Gem; medium season, very prolific, deliciously sweet and of enormous size. It possesses all the qualities that go to make up a desirable melon. Pkt 5c, oz 10c, ¼ lb 20c, lb 60c, postpaid; by express, 5 lbs \$2.25, 10 lbs \$4.00.

**New Chilian Watermelon** Does the best in a southern climate. Very attractive, quite large, nearly round, has a dark green rind with black stripes from end to end. The flesh is bright red, solid, sweet and melting. Pkt 10c, oz 15c, ¼ lb 50c.

## STANDARD VARIETIES

We can supply any of the following at the uniform price of:

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c, postpaid.

Mountain Sweet	Phinney's Improved	Duke Jones
Cuban Queen	Dark Icing	Long White Icing
Colorado Citron	Rattle Snake	Red Seeded Citron
Florida Favorite	Early Fordhook	Iceberg
Jones Jumbo	The Dixie	Peerless

There is no red fleshed musk melon equal to the HOODOO for home use or for market.

**Our Key Test** For several years all our seeds have been tested for vitality in damp blotters, using in each collection a proven sample of a similar variety whose germination is positively known to us as a key. By this plan we prove the correctness of the test and are sure of the real percentage of growth.



# Vaughan's Mushroom Spawn

## Always in Stock—Live Spawn



### COMMERCIAL MUSHROOM GROWING

The ever increasing demand for this delicacy for hotels, restaurants and home table has resulted in the establishment of many commercial Mushroom growers. High prices and unsupplied markets offer a very profitable field. The prospective grower should realize, however, that success in growing mushrooms for market is attained only with a minute and technical knowledge of many details and should not be entered into on a large scale without a thorough understanding of these points and some practical experience. There is no secret process of growing. The details in growing Mushrooms, however, are very important, more so, perhaps, than for any other vegetable crop, and while even a beginner can obtain good results, to compete with old and experienced growers on the market, the maximum returns with the least possible cost is essential to financial success.

We invite inquiries from those who consider going into this line.

#### VAUGHAN'S GARDEN CITY PURE CULTURE MUSHROOM SPAWN

Made in America from Selected Mushrooms grown under cultivation. By using this Spawn a much fresher brick is obtained and the growth is quicker and stronger, though perhaps not quite so lasting as the English Spawn. Amateurs are usually most successful with this. We receive monthly shipments from our manufacturer and so our Spawn is always fresh and strong.

Unless otherwise ordered we supply a cream brown variety. We can also supply pure white and named sorts—Alaska, Columbia, Holland and Bohemia.

Price—Standard Bricks—Inoculated from Direct Bricks, per brick 35c, 5 bricks \$1.40, postpaid; by express, 10 bricks \$1.85, 25 bricks \$3.75; 100 bricks \$12.00.

#### ENGLISH MUSHROOM SPAWN

This is the best English make. Our manufacturer is the oldest Mushroom grower in England and the largest in the world. It is far superior to the old English Milltrack Spawn, being made from carefully grown selected specimens. This spawn is made especially for us, who handle more of this article than any one in the United States, and we receive fresh importations eight to ten times each year. Commercially it is more planted than any other spawn. It comes in pressed bricks weighing almost 20 ounces. They are broken into pieces the size of a walnut and put sideways in the beds eight inches apart each way. Prices, per brick 25c, 5 for \$1.00, postpaid. By express or freight, per brick 15c, two for 25c, 8 bricks \$1.00, 25 lbs \$2.00, 100 lbs \$6.50; if shipped from New York \$6.00. Special prices on 1/2 ton lots and upward.

#### FRENCH MUSHROOM SPAWN

French Spawn is planted for the growing of button mushrooms. Ours is the very best to be had, being grown from selected mushrooms. Put up in boxes of 2 pounds each. Price, per box 75c, if by mail \$1.20. The same loose, per lb 35c, if by mail 45c, 10 lbs \$3.20.

**MUSHROOM CULTURE.** How to prepare the beds and raise the Mushrooms. Robinson, best English book, cloth bound, 50c, postpaid.

**MUSHROOMS.** By W. Falconer. The best American book. Postpaid, \$1.00.

### AMATEUR GROWING OF MUSHROOMS

Many amateur gardeners are now raising Mushrooms successfully. Excellent results are not hard to obtain where a bed may be made in the basement or cellar, barn, woodshed or outbuildings (water tight), and an even temperature of 55 to 65 degrees Fahrenheit maintained during the colder months.

With an order for Spawn we give, when asked, a free book "How to Grow Mushrooms." People who follow carefully the simple instructions given in this book should have no difficulty in raising a crop. When success does not result the first time, a second trial almost without exception gives a good yield.

We supply many of the largest commercial growers in the United States and we have on hand at all times in the season fresh Spawn of the best manufacture.

#### MARTYNIA, For PICKLES

The young and tender seed pods make a very fancy pickle. These pods are of curious shapes and bear abundantly. They should be gathered when less than half grown. For culture see Vaughan's Vegetable Garden. Pkt 10c, 1/2 oz 20c, oz 35c.

#### MUSTARD

The leaves make a salad or may be boiled like Spinach.

#### Chinese, or Giant Southern Curled.

The large leaves, which often measure 14 inches, are ready for use in about six weeks after sowing. Plants will continue to yield until frosty weather. Leaves are eaten boiled, like Spinach. Pkt 5c, oz 10c, 1/4 lb 20c, lb 70c.

**White** Best for general use. Oz 5c, 1/4 lb 15c, lb 40c.

**Brown** Stronger than above. Price, same as white.

#### OKRA, or GUMBO

This vegetable should be planted a great deal more than it is. Extremely easy to grow and its young seed pods are delicious in soups and alone. Probably the finest known vegetable for this use. Full planting and cooking directions on each package.

**White Velvet** Produces pods larger than any other. They are never prickly to the touch always round and smooth, while in other varieties they are either ridged or square-holed. Pkt 5c, oz 10c, 1/4 lb 20c, lb 60c.

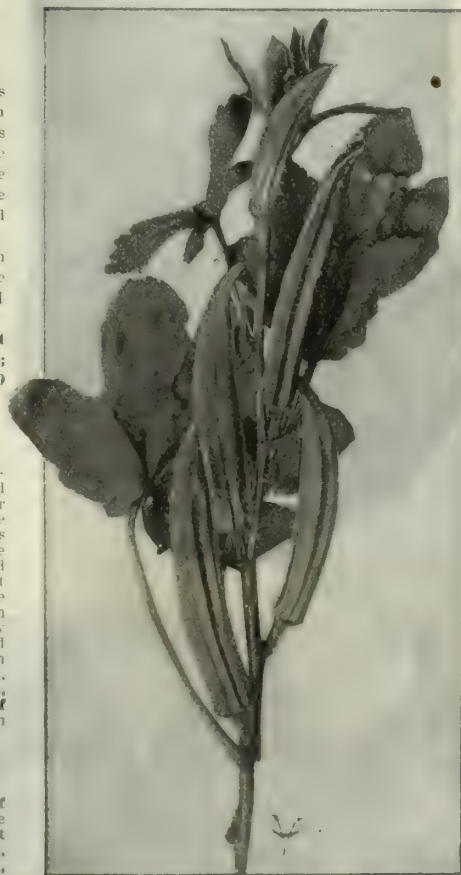
**Dwarf** Grows low but stocky and is very productive. Pkt 5c, oz 10c, 1/4 lb 20c, lb 50c.

**Tall, or Perkins' Mammoth** The long pods measuring 4 and 5 inches are produced in great quantities. The appearance is handsome of green color and best quality. Pkt 5c, oz 10c, 1/4 lb 20c, lb 50c.

A. B. Pitts, of Evanston, Ill., writes, Dec. 30th: "The Mushroom Spawn I received from your store last summer is the best I ever had. My first bed began to yield on November 1st. Today it is completely covered with small mushrooms."

**PURE CULTURE MUSHROOMS.** 32 pages, postpaid. Free with order for spawn of 10 dollars.

to Grow. By Fraser, 12 pages, published by Vaughan's Seed Store. Price 10c, or free with every order for spawn amounting to one dollar or over, if requested with order.



Okra, White Velvet



**VAUGHAN'S PEDIGREE ONION SEED****Globe Varieties****VARIETIES**

Prospective onion growers should consult the market where they expect to sell their onion crop before deciding on the variety or varieties to plant. Different cities and localities demand different varieties of onions. What sells well in one place will bring indifferent prices in another.

In general Globe Onions are the most popular, for they grow larger than the flat and yield better. The flat onions, however, are earlier maturing. The larger onions, like Prizetaker and Ailsa Craig, take a long season to mature, and the best results are usually had by starting early in hot bed or cold frame and transplanting to a rich soil.

**GLOBE ONIONS**

Of the Globe Onions, Vaughan's Ideal White Globe for white; Apple-shaped Red, and Southport Red Globe, for red; and Ohio Yellow Globe, Fancy Globe Danvers and Southport Yellow Globe, for yellow, are ideal of their kind, and most critical planters can rely upon our seed.

**Vaughan's IDEAL WHITE GLOBE**

This is the handsomest of all Onions. Our Genuine Eastern grown stock is of the true globe form; pure white, hard, small necked, ripening very early and evenly, a good keeper. We supply the largest market gardeners in Chicago and the West. No market gardener or onion grower can afford to plant inferior seed, with only cheapness of price to recommend it, when seed like ours is to be had, the results of a few ounces often paying twice the first cost of the best seed.

Prices: Eastern Seed, pkt 10c, ½ oz 15c, oz 25c, 2 oz 45c, ¼ lb 85c, lb \$3.10, postpaid. By express, 5 lbs \$14.50, 10 lbs \$28.00.

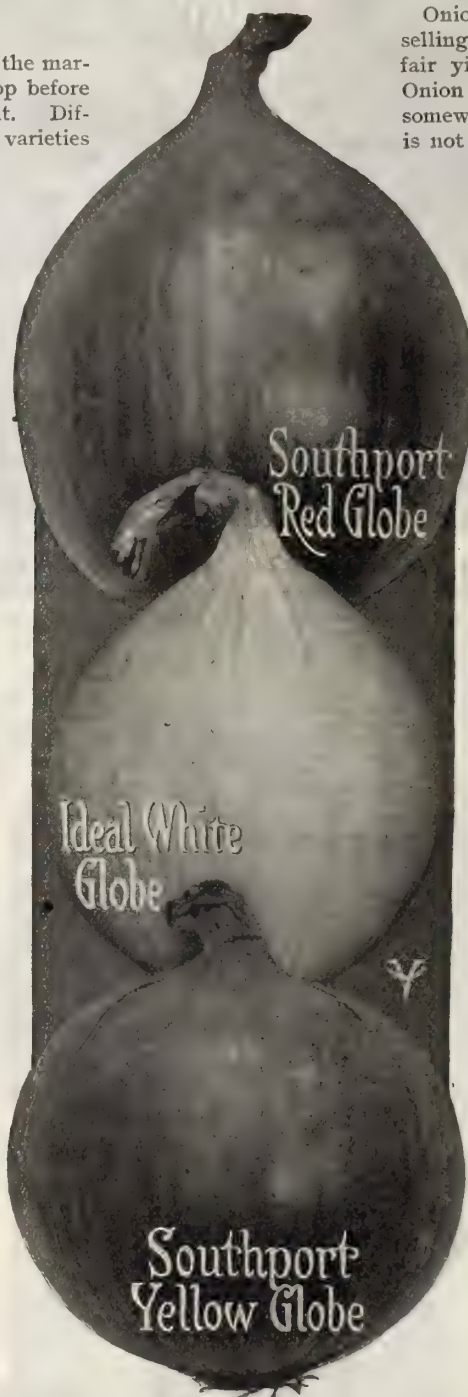
Prices: Western Seed, pkt 10c, oz 20c, 2 oz 35c, ¼ lb 70c, lb \$2.60, postpaid. By express, 5 lbs \$12.00, 10 lbs \$23.00.

**SOUTHPORT YELLOW GLOBE**

A main crop, late, large, round onion. It is sure to satisfy the one who buys a packet or the one who sows 50 pounds for carload shipments. A truly grand onion, whose large golden-yellow spheres make a beautiful appearance, sacked or barreled for the market. Finest of all yellow onions for keeping. Our Eastern strain of seed is from a grower of twenty-five years' experience who makes a specialty of this variety. There is no better.

Prices: Eastern Seed, pkt 10c, oz 20c, ¼ lb 50c, lb \$1.75, postpaid. By express, 5 lbs \$8.00, 10 lbs \$15.00.

Prices: Western Seed, pkt 5c, oz 15c, ¼ lb 45c, lb \$1.50, postpaid. By express, 5 lbs \$6.75, 10 lbs \$13.00.



Onions have been bringing fair prices this year, selling at from 50 to 60 cents per bushel, which, with fair yields, would be profitable to onion growers. Onion Seed, as these pages will show, is selling somewhat lower than last year, although the crop is not a heavy one, and of some kinds, whites particularly, the harvest is very moderate, and buyers should secure their supply early.

Our Onion Seed now in store of the past summer's crop shows high germination test, averaging from 88 to 92 per cent. These are excellent tests for the thoroughbred types of American grown onions. We always urge Onion Seed planters to test the seed for themselves.

**SOUTHPORT BLOOD-RED GLOBE**

Our Blood-Red Globe is a beautiful crimson red and a better lot of seed cannot be found. It is of immense size, very solid and firm—qualities which make it a fine seller and an excellent keeper. Our market garden customers regularly grow crops yielding 800 to 1,000 bu. from this seed. Our grower is an expert who especially selects this seed from large fine colored, solid bulbs, well cured and ripened, carefully avoiding all thick necked ones.

Prices: Eastern Seed, pkt 10c, oz 20c, ¼ lb 50c, lb \$1.75, postpaid. By express, 5 lbs \$8.00, 10 lbs \$15.00.

Prices: Western Seed, pkt 5c, oz 15c, ¼ lb 45c, lb \$1.50, postpaid. By express, 5 lbs \$6.75, 10 lbs \$13.00.

**OHIO RED GLOBE**

A very uniform Red Globe Onion similar in shape to the Ohio Yellow Globe. Lake county, Ohio, seed, grown by the originator.

Prices: Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.75, postpaid. By express, 5 lbs \$8.00, 10 lbs \$15.00.

**OHIO YELLOW GLOBE**

Finest shaped, best colored and largest cropper of any yellow onion. This is an extra fine selection of the best colored, finest shaped and heaviest yielding bulbs, entirely distinct from the old type of Yellow Globe Danvers. It is earlier, has a smaller neck, is of perfect globe shape and uniform in size and color. Its small neck and solid flesh make it a very fine keeper. In yielding, many crops of over 1,000 bu. to the acre have been raised from this seed. Among seed growers this particular strain of Yellow Globe Onion is recognized as the best in existence. Seed of this is always scarce. Our seed is raised in Ohio by the most famous grower of the strain and is especially selected for its uniformity, which is remarkable, there being almost no variation in the handsome, large golden globed bulbs. See illustration showing uniformity.

Prices: Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.65, postpaid. By express, 5 lbs \$7.50, 10 lbs \$14.50.



Ohio Yellow Globe Onions; this Photograph shows the uniformity in Shape and Size of Vaughan's Strain



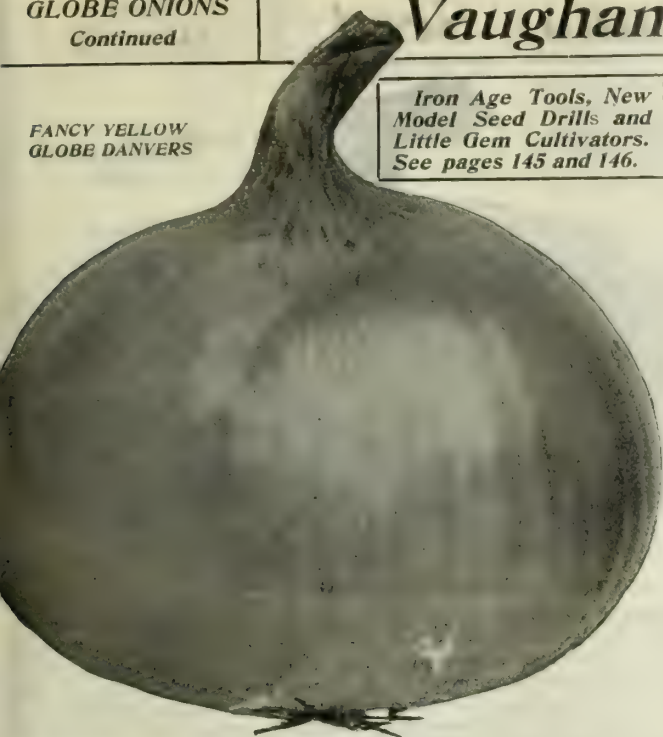
**GLOBE ONIONS**

Continued

FANCY YELLOW  
GLOBE DANVERS

# Vaughan's Pedigree Onion Seed

Iron Age Tools, New  
Model Seed Drills and  
Little Gem Cultivators.  
See pages 145 and 146.



## Large Sized and Flat Onions

### PRIZETAKER, American Grown

#### VAUGHAN'S SELECTED STOCK

The largest and handsomest Yellow Globe Onion. The illustration from nature shows an ideal Onion of the variety. They attain immense size, fifteen inches in circumference being often attained when raised under favorable conditions. To reach this size it is necessary to start them early in hot beds and transplant so they may have a long season to reach their mature size. Grown under ordinary conditions they grow to slightly larger size than the ordinary globe onion.

This Onion is of the same type as the large Spanish Onions imported in quantity and sold in crates. Grown now for many years in this country our seed is thoroughly acclimated and if permitted to thoroughly ripen, keeps quite well, although the poor keeping quality of this Onion is its worst drawback.

This prizetaker is globe shaped; a certain percentage running flatter than the illustration, with a light straw colored skin and thin neck.

Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.65; by express, 5 lbs \$7.50, 10 lbs \$14.00.

**AILSA CRAIG** This is a new exhibition yellow, oval onion. Like Prizetaker, only larger. Should be transplanted to reach best size. See Novelties. Pkt 15c, 2 for 25c, oz 35c.

#### MAMMOTH SILVER KING

One of the largest varieties in cultivation averaging 15 to 22 inches in circumference and often weighing 2½ to 4 pounds each. It matures early and is of uniformly large size and fine shape, being flat but thick. The skin is clear, silver white; flesh snowy and tender of mild sweet flavor. To attain its greatest size should be sown early and transplanted. Its striking size and handsome appearance as well as mild flavor recommend it for exhibition and fancy market or table.

Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.60; by express, 5 lbs \$7.25.

#### NEW CRYSTAL WHITE WAX, Teneriffe Seed

This is a pure white, flat onion. In the South, especially Texas, during the last few years it has become so popular that there has not been enough seed to meet the demand. In our trials last summer it showed itself to be a valuable variety also for the North. It grows to a good size very early and is the mildest and sweetest of all Onions. It is the finest slicing Onion for the home garden.

Pkt 10c, ½ oz 15c, oz 30c, ¼ lb 90c, lb \$3.50.

### "FANCY" YELLOW GLOBE DANVERS

On the majority of markets in this country the yellow Onion has by far the most sale and for this purpose our Fancy Yellow Globe Danvers Onion supplies the standard of quality. The shape is almost, not quite, globe shaped, and the bulbs are of good size with very thin necks. The color is a dark orange yellow; the flesh is pure white, solid and of good quality. Its keeping qualities are the best; many of our market growing customers, regularly keeping their Onions grown from this Seed into May and June. This strain is so nearly globe shaped, that it passes for a globe, and its earliness, being several weeks earlier than the Southport Onion, usually permit the planter to realize the high early market prices. The crop is uniform and ripens evenly at one time. Our Seed is carefully grown and will please the most critical.

Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.55; by express, 5 lbs \$7.00, 10 lbs \$13.50.

**YELLOW GLOBE DANVERS** This is the ordinary strain of this variety. Season the same as "Fancy Globe Danvers." The Onions do not run as globe shaped as that variety, but are otherwise the same as regards color, ripening and keeping.

Pkt 5c, oz 15c, ¼ lb 40c, lb \$1.40; by express, 5 lbs \$6.25, 10 lbs \$12.00.

#### VAUGHAN'S APPLE-SHAPED RED GLOBE

The ideal Red Globe Onion. A full description and illustration from nature on the back cover page of this book. The bulbs are almost perfectly globe shaped, thin necked of the darkest red color. A thoroughbred variety. A grand red.

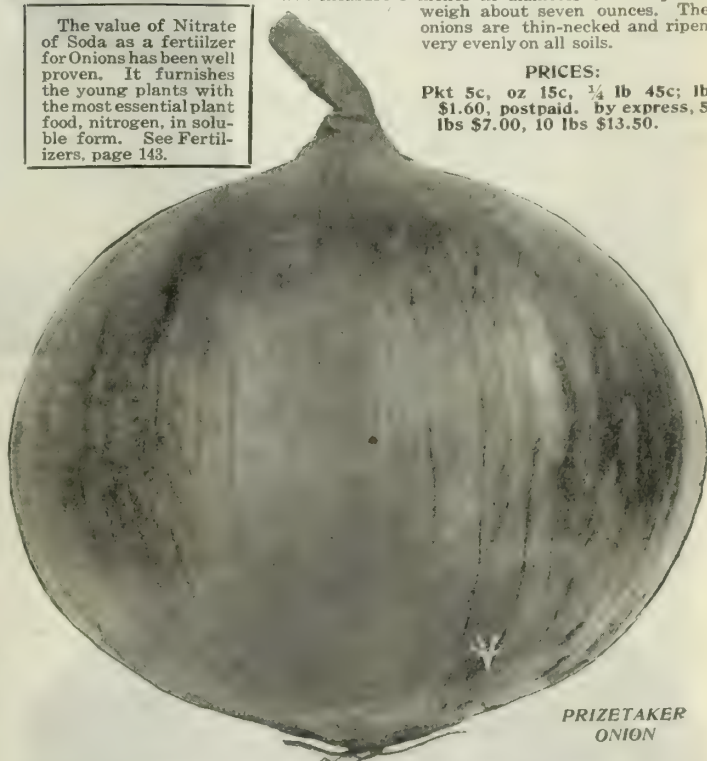
Pkt 10c, oz 20c, ¼ lb 60c, lb \$2.00; by express, 5 lbs \$9.00.

**EXTRA EARLY AUSTRALIAN BROWN GLOBE** Quick to mature; a long-keeper; solid and heavy; an excellent onion for shipping. The bulbs are perfectly globe shaped. The skin is light brown. Their solidity gives them great weight and a bushel weighs several pounds heavier than the American varieties. An average bulb will measure 3 inches in diameter each way and weigh about seven ounces. The onions are thin-necked and ripen very evenly on all soils.

The value of Nitrate of Soda as a fertilizer for Onions has been well proven. It furnishes the young plants with the most essential plant food, nitrogen, in soluble form. See Fertilizers, page 143.

#### PRICES:

Pkt 5c, oz 15c, ¼ lb 45c; lb \$1.60, postpaid. by express, 5 lbs \$7.00, 10 lbs \$13.50.



PRIZETAKER  
ONION

#### WHITE BERMUDA, True Teneriffe Grown

These are the large Onions which are grown in Bermuda and in Texas, where a large number of carloads are produced annually and shipped north for early Spring use. In the southern part of the United States, as well as Bermuda, our imported Teneriffe seed gives the best results. In our northern climate the bulbs are much smaller, but mature early, and retain much of the mild sweet flavor of the imported ones.

Pkt 10c, oz 20c, ¼ lb 65c, lb \$2.40; by express, 5 lbs \$11.25.

**RED BERMUDA, Teneriffe Seed** Same price as the White.



# Vaughan's Pedigree Onion Seed

**FLAT  
VARIETIES**

## LARGE RED WETHERSFIELD

This is the standard variety of the flat Red Onion. It is especially popular in the west and southwest, where immense crops are grown for market. Large in size; skin deep purplish red; form round, somewhat flattened; flesh purplish mixed with white, moderately fine grained and as mild as most other kinds. Very productive and a fine keeper. It is more inclined to form large necks than the Yellow Danvers on strong soils, but on poor or dry soils it gives better results than other sorts. Our seed is a carefully selected California grown strain and the equal of any on the market today.

Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.65; by express 5 lbs \$7.50, 10 lbs \$14.00.

### VAUGHAN'S NEW OX BLOOD RED WETHERSFIELD

An especially selected strain for dark red color of Red Wethersfield. It is the darkest red Onion in existence, and where the market demands a dark red flat Onion it has no superior. Slightly later maturing than the ordinary Wethersfield, it requires a good long season to mature. Inclined to run a small percentage of thick necks on moist strong soils. One of the very finest varieties for dry and rather poor places.

Pkt 10c, oz 20c, ¼ lb 50c, lb \$1.85; by express 5 lbs \$8.50.

**EXTRA EARLY RED** The first red Onion to ripen and at the same time one of the handsomest in appearance. Our strain of seed has been bred especially for earliness and uniformity in ripening by an experienced Eastern grower and will be found to ripen at least two weeks earlier than the other strains of this variety. Flat, good red color; medium in size. Pkt 10c, oz 20c, ¼ lb 50c, lb \$1.85; by express 5 lbs \$8.50.

**EARLY RED CRACKER** Very early—good where seasons are short. Also desirable for growing sets. Pkt 5c, oz 15c, ¼ lb 45c, lb \$1.65; by express 5 lbs \$7.50.

**THE BOLTON The Onion for Sets** An early pale red variety; medium size; shaped like flat Danvers with small tops. Quite similar to the Australian Brown, perhaps a little more uniform in color with a tinge more red—one of the best kinds for sets. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb \$1.35; by express 5 lbs \$6.00.

**BROWN AUSTRALIAN** Extra early and long keeping of medium size. Extra early in season and ripens to the hardest and best keeping of all onions. Raised for large Onions in the warm climates where ordinary varieties do not keep and also in the North for sets which are shipped South. The color of the skin is an amber brown and the flesh is white and mild flavored. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 45c, lb \$1.35; by express 5 lbs \$6.00.

**YELLOW DANVERS (Flat)** An early productive, fine keeping, flat, yellow Onion. The Onions are of medium size, skin copper yellow, flesh solid white and mild in flavor. Remarkably free from thick neck and especially adapted to the growing of yellow bottom Onion sets. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb \$1.35; by express 5 lbs \$6.00.

### STRASSBURG, or Large Yellow Dutch

The very best yellow Onion for sets. Flat; flesh white, fine grained and well flavored. Very carefully grown seed. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb \$1.35; by express, 5 lbs \$6.00.

Iron Age Tools,  
Seed Drills and Cul-  
tivators, pages 150  
and 151.

**LARGE RED  
WETHERSFIELD  
ONION**

**WHITE PORTUGAL or SILVERSKIN** The favorite white Onion. Flat in shape; medium size. Skin clear white, glistening like silver; flavor mild. Used principally for the growing of white onion sets and pickles; but also for early bunching or green onions and large onions for market. It is a good keeper, the best of the white varieties and of value for fall and early winter use as a large onion.

Pkt 10c, oz 20c, 2 ozs 35c, ¼ lb 60c, lb \$2.00; by express 5 lbs \$9.25.

**EARLY YELLOW CRACKER** The earliest of the flat yellow varieties; desirable to raise where seasons are short or for early market. Keeping quality good; excellent flavor. Desirable for sets. Pkt 5c, oz 15c, 2 oz 25c, ¼ lb 40c, lb \$1.35; by express 5 lbs \$6.00.

**EARLY WHITE WELSH ONION** For Green Onions. This kind does not form a bulb but is one of the best kinds for "Green Onion." The plants are perennials. They can be propagated by seeds or divisions. Pkt 10c, ½ oz 15c, oz 25c, 2 ozs 40c, ¼ lb 75c, lb \$2.00.

### WHITE POTATO ONION SEED

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c.

### YELLOW MULTIPLIER SEED (Shallot)

Pkt 10c, ½ oz 15c, oz 25c, 2 oz 40c.

Each year every bag of Onion Seed sold by us is tested for vitality before leaving the store.

**WHITE PORTUGAL**

## ITALIAN ONION SEED

**VAUGHAN'S PICKLING** One of the best white Onions for pickling. Ripens uniformly early, is small, round, hard, crisp and tender. A very handsome sort with an opaque white skin. Not a good keeper. An excellent variety for green onions, pickles or for immediate use when grown for large Onions. Flavor very sweet and mild. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 45c, lb \$1.70, by express 5 lbs \$7.50.

**WHITE QUEEN** Remarkable for its earliness and very mild flavor, it is small and white skinned. The general favorite with pickle manufacturers. Pkt 5c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb \$1.70, by express 5 lbs \$7.50.

**WHITE BARLETTA** It is a beautiful waxy-admired by housewives. Pkt 5c, oz 20c, 2 ozs 30c, ¼ lb 50c, lb \$1.70, postpaid, by express 5 lbs \$7.50.

**GIANT ROCCA** A large globe shaped onion. The flesh is very sweet and mild. This variety ripens evenly and does well in both Southern and Northern climates. We offer two colors, brown and yellow. Pkt 5c, oz 15c, ½ lb 45c, lb \$1.60, postpaid.

### RED and WHITE BERMUDA, Italian Seed

Does well in Northern States, not so desirable in the South. Either color. Pkt 5c, oz 15c, 2 ozs 25c, ¼ lb 40c, lb \$1.50.

**VAUGHAN'S PICKLING**

Onion Set Seed buyers should write us for special prices. Our seed is the best and prices strictly in line.

**YELLOW FLAT DANVERS ONION**



## ONION SET PRICES

Are subject to market changes which vary from day to day. Latest values on quantity lots quoted on request.

## ONION SETS

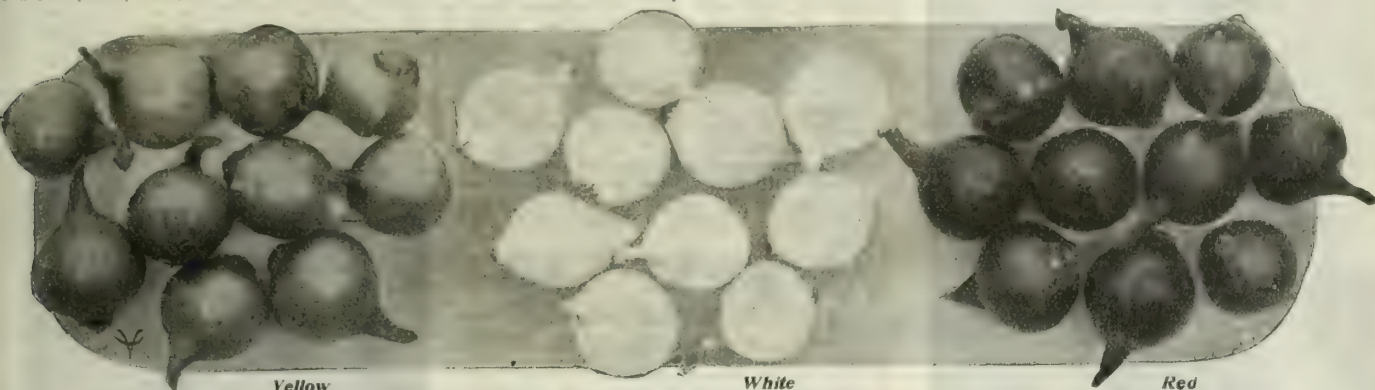
## THE ONION SET CROP

Is of fair size this year owing to an increased acreage in all large growing sections. The quality is good. Prices promise to be lower than usual.

The vicinity of Chicago is now producing the best quality and one-half the quantity of Onion Sets grown in this country. The market growers who raise these sets have used Vaughan's seeds for thirty years. Our house has the reputation with these growers of paying the highest prices for quality sets, so we have the pick of the best graded stock and

finest keeping sets each year. These fancy sets we offer at little or no advance over the market price of ordinary stock.

We sell Bottom Onion Sets, Shallots, White Multipliers and Potato Onion by weight, 32 pounds to the bushel; Top Sets, 28 pounds to the bushel.



Yellow

White

Red

### BOTTOM ONION SETS—VAUGHAN'S HAZEL SIZE

### THE VALUE OF ONION SETS

Bottom Onion Sets produce Onion bulbs much earlier than can be done by sowing the seed and allows the planter the early high market prices and permits the sowing of another crop on the land the same year. For open or bunch onion sets produce a crop in half the time it takes to raise these from seed.

**White Bottoms** — Our sets of these are very choice, small dry and unsprouted. Pint 15c; (by mail 21c); qt 25c; (by mail 37c); by freight or express, 2 qts 45c; ½ peck 65c, peck \$1.00, bu (32 lbs) \$3.50.

**Yellow Bottoms** — Fine dry sets, medium in size and unsprouted. Pint 15c (by mail 21c), qt 25c (by mail 37c), by freight or express 2 qts 40c, ½ peck 60c, peck 90c, bu (32 lbs) \$3.25.

**Red Bottoms** — Bright, deep red in color, even and dry. Pint 15c (by mail 21c), qt 25c (by mail 37c), by freight or express 2 qt 40c, ½ peck 60c, peck 90c, bu (32 lbs) \$3.25.

**SPECIAL OFFER White, Yellow and Red Bottom Sets**

	1 pint	1 quart	4 quarts	1 peck	1 bushel
mail, postpaid, each.....	55c	\$1 00	.....	.....	.....
express, buyer's exp., each...	40c	70	\$1 75	\$2 50	\$9 00

### VAUGHAN'S HAZEL SIZE BOTTOM ONION SETS

These extra selected sets measure about ½ inch in diameter and are as firm as it is possible to grade them. Price for White, Red or Yellow, 1c per pint, or 20c per quart. Larger quantities at the quart price 16c per pint and 12c per quart if ordered by mail.

## PARSLEY

**Champion Moss Curled** This is a fine prize winning English variety, entirely distinct. It is a very quick, robust sort, making remarkably handsome, compact plants, which have leaves so crumpled and curled as to give them the appearance of tufts of finely curled moss. The color is rich green, making it the very best parsley for garnishing. Its flavor is exceedingly pleasant and aromatic, so that for flavoring sauces, dressings, etc., it is unsurpassed. Very slow to run to seed and quite hardy. May be grown in pots or window boxes. Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.



CHAMPION MOSS CURLED PARSLEY

**Double Curled** A very fine dwarf, handsome green, curled variety.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

**Fern-Leaved** Leaves so nicely and delicately cut as to resemble the frond of a fern. Good green color and nice flavor.

Pkt 5c, oz 10c, ¼ lb 25c, lb 75c.

**Plain** The leaves are not curled, however, the flavor is excellent and plant is very hardy.

Pkt 5c, oz 10c, ¼ lb 20c, lb 50c.

**Hamburg Rooted or German Parsley** The root resembles a small parsnip and is the edible part of this sort; extensively used for flavoring soups.

Pkt 5c, oz 10c, ¼ lb 20c, lb 60c.

**Vaughan's XXX** (See Novelty Pages) This new Parsley has a wonderful dark green color and is exquisitely curled. It is the best flavored Parsley up to the present.

Pkt 10c, 2 pkts 15c, oz 25c, ¼ lb 75c, lb \$2.00.

## PARSNIP

**Vaughan's Marrowfat** A very fine new parsnip. It grows to a good size, is of perfect form and the skin is very smooth. When cooked the flavor is far superior to other varieties. Its handsome appearance makes it much in demand for show purposes.

Pkt 5c, oz 10c, ¼ lb 25c, lb 85c.

**Improved Guernsey** An improved strain, which has given general satisfaction. The roots do not grow so long as those of the Hollow Crown, but are of greater diameter and more easily gathered. Of excellent quality.

Pkt 5c, oz 10c, ¼ lb 15c, lb 50c.

**Hollow Crown, Long Smooth** (Abbott's Improved) Smooth, large, tender and sugary; one of the best. Our stock is very fine.

Pkt 5c, oz 10c, ¼ lb 20c, lb 55c.

**Vaughan's Intermediate** (See Novelty Pages of this book.) Pkt 10c, oz 20c, ¼ lb 50c.



MAGNUM BONUM PARSNIP

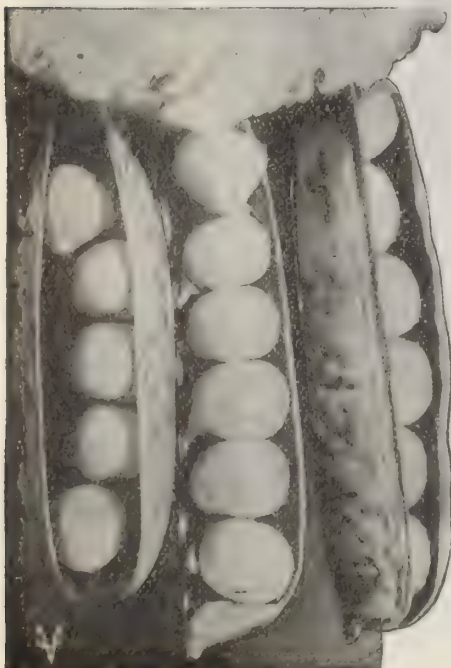
**Magnum Bonum** A very fine and greatly improved strain of Hollow Crown Parsnip which we can recommend to all marketmen as a money-maker. The roots are smooth, not so long as those of the standard sort, somewhat thicker in diameter and much more easily pulled. A very heavy cropper.

Pkt 5c, oz 10c, ¼ lb 20c, lb 55c.



**ALASKA or EARLIEST OF ALL**

This is the standard Pea for market and canning.

**NOTT'S EXCELSIOR****NORTHERN  
GROWN****PEAS****EXTRA EARLY  
MEDIUM HEIGHT****ALASKA, Earliest of All**

The standard extra early Pea for market and canning use. The seed is smooth and of bluish color. Ripens uniformly, all the pods ready at the same time so they may be gathered at one picking. Quite productive and the round seed permits early planting as it does not rot in cold soil as the early wrinkled sorts sometimes do. Eating quality only fair. We have one of the few true strains now on the market. Pkt 10c, pint 15c, (by mail 23c), qt 30c, (by mail 45c), 2 qts 55c, ½ peck 90c, peck \$1.75, bu \$6.75.

**SURPRISE**

The earliest of all the sweet wrinkled Peas.

Within a couple of days in season of Alaska. It has the excellent sweet quality of the wrinkled sorts like Nott's Excelsior. It is not so hardy as Alaska, however, and cannot be planted in such cold soil. Vine grows 24 inches and needs no support. Pods good sized, borne in good numbers and well filled.

Pkt 10c, pint 15c, (by mail 23c), qt 30c, (by mail 45c), 2 qts 55c, ½ peck 90c, peck \$1.75, bu \$6.75.

**MAUD S.**

The earliest selection of the extra early, white seeded, round Peas. Season similar to Alaska—seed pea, cream colored when ripe instead of blue as in the Alaska. Quality better than Alaska though not quite so productive. Very even in ripening. Pod 2½ to 3 inches long; 5 to 7 Peas in pod; vine height 20 to 26 inches. A very carefully bred variety and the equal of any on the market.

Pkt 10c, pint 15c, (by mail 23c), qt 30c, (by mail 45c), 2 qts 55c, ½ peck 90c, peck \$1.70, bu \$6.25.

**FIRST AND BEST**

Another strain of the white seeded

Extra Early Pea. Also sold as Philadelphia Extra Early. Rural New Yorker, Daniel O'Rourke. Best Extra Early, not quite as early as Maud S. but a slightly better yielder. Pkt 10c, pint 15c, (by mail 23c), qt 25c, (by mail 40c), 2 qts 45c, ½ peck, 85c, peck \$1.60, bu \$6.00.

**THOMAS LAXTON**

A first early large

podded wrinkled Pea and the only rival of its famous parent, Gradus. In season a few days later than Alaska, compared to Gradus it has a blunt pod, while those of the Gradus taper and appear larger. The pods, however, contain a larger number of Peas than Gradus and of equal quality. May be grown either with or without support. Vine 3 to 3½ feet; pods contain 6 to 8 peas. An ideal variety for the home garden. Pkt 10c, pint 20c, (by mail 28c), qt 35c, (by mail 50c), 2 qts 65c, ½ peck \$1.15, peck \$2.25, bu \$8.25.

**PEAS, EARLY DWARF SORTS****REQUIRE  
NO BUSHING****NOTT'S EXCELSIOR**

Of all the dwarf Peas this is the most popular. Almost as hardy as the early round seeded varieties. Only two or three days later—it far surpasses those sorts in quality. It is a very good yielder, surpassing American Wonder and Little Gem in this respect. Grows 15 inches high, requires no support and bears blunt pods about 3 inches long containing 5 to 7 Peas of good size, tender and finest quality. The most desirable variety for household use and also much planted for market, because prolific, good quality and easily raised.

Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 60c, ½ peck \$1.00, peck \$1.85, bu \$7.00.

**AMERICAN WONDER**

A stand-

ard high quality extra early dwarf wrinkled pea. Height 10 to 12 inches, dwarfier than Nott's Excelsior, very prolific, with fine well filled pods. Matures usually a day or two in advance of Nott's Excelsior and yields almost as well. A home garden variety of the highest class requiring no support in growth. Plant each week for succession.

Pkt 10c, pint 20c (by mail 28c), qt 35c, (by mail 50c), 2 qts 60c, ½ peck \$1.00, peck \$1.85, bu \$7.00.

**PREMIUM GEM**

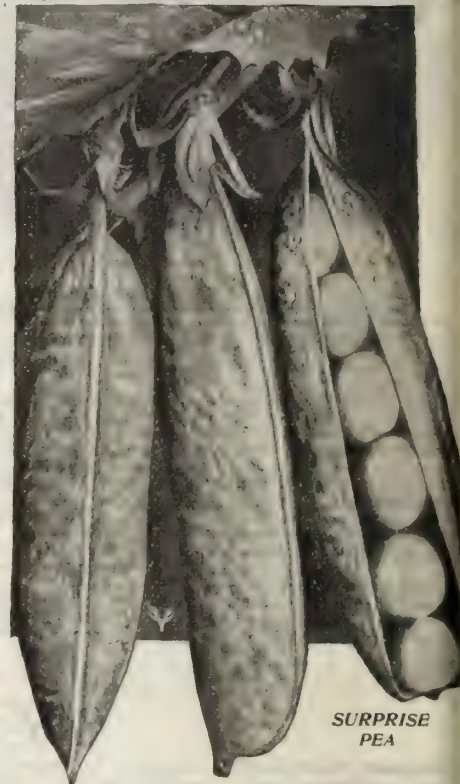
This early dwarf

wrinkled pea grows 16 to 18 inches high; a week later than American Wonder and a better yielder, not so upright in habit as American Wonder but it requires no bushing. Pods 3 inches long, prolific and fine quality.

Pkt 10c, pint 15c, (by mail 23c), qt 30c, (by mail 45c), 2 qts 50c, ½ peck 90c, peck \$1.75, bu \$6.50.

**VELOCITY**

The earliest of all Peas at the present time. Similar to Alaska—only with smaller vines and pod seed round, smooth and bluish color; quality fair. Season almost a week earlier than Alaska. Pkt 15c, pint 25c, (by mail 33c), qt 45c, (by mail 60c).

**SURPRISE  
PEA****LAXTONIAN**

The greatest advance

in Peas of late years, of Telephone.

An early dwarf pea with pods the size of Telephone. Pkt 15c, 2 pkts 25c, ½ pint 35c, (by mail 39c), pint 65c, (by mail 73c).

**LITTLE MARVEL PEA**

A new and

improved dwarf variety of the same season as Nott's Excelsior and American Wonder with larger pods and dark green in color. (See Novelty Pages.)

Pkt 10c, pint 25c, (by mail 33c), qt 45c, (by mail 60c), 2 qts 85c, ½ peck \$1.60, peck \$3.00.

**VAUGHAN'S FORCING, FOR FRAMES.**

A dwarf wrinkled variety for greenhouse and frame use. Smaller than American Wonder; of very upright habit; a good yielder. Pkt 10c, ½ pint 20c, (by mail 24c), pint 35c (by mail 43c).

Mansfield, Ill.—Your Sutton's Excelsior Pea is fine; a few days later than Nott's, but larger pods and peas and finer every way. W. H. MCGHEE.



# PEAS

## DWARF SORTS

### SUTTON'S EXCELSIOR

The foremost of a new class of first early dwarf wrinkled Peas. The pods are larger and broader than the usual dwarf peas, are square at the ends and are light green in color. The vines grow eighteen inches high, are very hardy, permitting early planting, and are very heavy bearers. On account of its hardiness and its good sized pods of excellent quality, many prefer it to the large-podded but tender Gradus. Season two days later than Nott's Excelsior.

Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 55c, ½ peck \$1.00, peck \$1.90, bu \$7.50.

#### DWARF TELEPHONE

Medium in season; vine dwarf and a good bearer, yielding pods often equal in size, shape and fullness to those of the tall Telephone with Peas equally well flavored. This Pea has a strong tendency to sport and show small pods, thus compelling careful selection. Our seeds will give satisfaction and a true strain of this Pea is the most desirable variety of its class.

Pkt 10c, pint 15c (by mail 25c), qt 35c (by mail 50c), 2 qts 60c, ½ peck \$1.10, peck \$2.00, bu \$7.50.

#### HEROINE

A main crop late Dwarf Pea. Grows 2½ feet high, with very sturdy growth and luxuriant foliage. Pods are long pointed, slightly curved and well filled with luscious peas; grows very uniform and true, besides is extremely prolific.

Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 55c, ½ peck 90c, peck \$1.75, bu \$6.75.

#### Succession Collection—

Dwarf Peas, Sutton's Excelsior, Dwarf Telephone and Heroine.			
No.	Postpaid. At buyers' expense	No.	Postpaid. At buyers' expense
1 1 pkt. each.....	25c	3 1 qt. each.....	\$1 35
2 1 pint each.....	70c	4 ½ peck each.....	2 65
	45c		

#### IMPROVED STRATAGEM

By many considered the highest quality of all Peas. A dwarf medium season wrinkled Pea. Vine grows two feet in height. Requires no support. The pods are long, dark green in color and packed with immense Peas of delicious sweetness. We have a strain which is true to type. Fine for house and market.

Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 60c, ½ peck \$1.00, peck \$1.90, bu \$7.50.

#### VAUGHAN'S PERFECT GEM

A long podded Dwarf Pea; a few days later than Premium Gem, with pods almost twice the size of that variety and larger Peas of better quality.

Pkt 10c, ½ pint 15c (by mail 19c), pt 25c (by mail 33c), qt 45c (by mail 60c), ½ peck \$1.50, peck \$2.65.

#### HORSFORD'S MARKET GARDEN

Like McLean's Advancer, very popular on account of its immense yields under favorable conditions. Later than Advancer; it grows taller, requiring no brushing and is a slightly heavier bearer. Pod medium in size and jammed full of peas. The vines grow remarkably uniform and the Peas mature uniformly.

Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 55c, ½ peck \$1.00, peck \$1.75, bu \$6.75.

DWARF  
TELEPHONE PEAS



SUTTON'S EXCELSIOR (Natural Size)



GRADUS OR PROSPERITY

#### WITHAM WONDER

This is a second early, wonderful cropping dwarf sort. The pods are dark green and so match the foliage that although the vines are laden with pods, the yield looks light. An examination reveals eight, ten and twelve pods on a vine, each pod filled often to bursting. The peas are medium in size and very sweet, thin skinned and quickly cooked. Whoever plants this variety will surely be pleased with it.

Pkt 10c, ½ pint 15c (by mail 19c), pint 25c (by mail 33c), qt 45c (by mail 60c), ½ peck \$1.50, peck \$2.60.

#### McLEAN'S ADVANCER

Medium early in season. This pea produces under average conditions the largest crop of shelled peas of all the varieties which mature in like time. For this reason it is a great favorite with the market gardeners and canners. The vine grows about 2½ feet in height and produces medium sized pods packed with peas of excellent quality.

Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 55c, ½ peck \$1.00, peck \$1.75, bu \$6.75.

#### PRIDE OF THE MARKET

A large podded dwarf Pea, late in season. It grows about two feet in height and requires no brush or support. Quite prolific; the immense pods being well filled with large peas of good quality. Eating quality, however, is not so good as Dwarf Telephone or Strategem. This variety has a strong tendency to sport.

Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 60c, ½ peck \$1.10, peck \$1.85, bu \$7.00.

#### JUNO

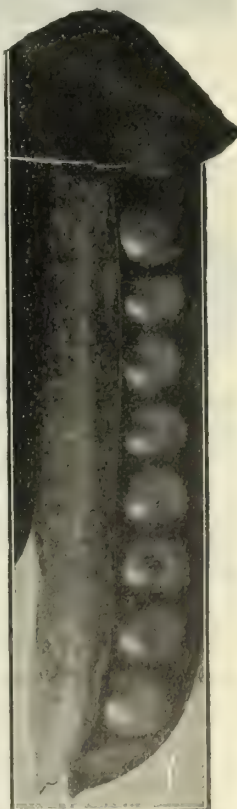
A main crop dwarf wrinkled pea. The pods are long, straight and well filled with 7 to 9 large peas of the highest quality. A vigorous, hardy and prolific variety. Quite similar to the Dwarf Champion variety listed by some seedmen.

Pkt 10c, pint 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 55c, ½ peck \$1.00, peck \$1.75, bu \$6.75.

## GRADUS—TALL SORTS

The most popular high quality, extra early, wrinkled Pea. This remarkable pea is not only large and of the best quality, but is within two or three days as early as the small, round, extra early sorts. Gradus is a wrinkled pea, growing about 30 inches high; the pods are of a bright green color, measuring 4 inches or more in length, as large as Telephone, well filled with luscious peas, 8 to 10 or more in a pod. The peas are of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A little tender, so it should be sown in the warmest spot in the garden. A grand pea in all respects.

Pkt 10c, pint 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 65c, ½ peck \$1.20, peck \$2.30, bu \$9.00.



Improved Stratagem



# TALL GROWING PEAS

## VAUGHAN'S IMPROVED TELEPHONE

The best main crop tall Pea without exception. The pods are of immense size, a fine dark green color, much more desirable than the light green of the ordinary Telephone and the peas are tender and deliciously sweet. The vines grow four feet high do better if brushed, although can be grown without support and are very vigorous and prolific. The finest and most desirable of all Peas for the home garden and market growing. See further descriptions on this page for other Telephone types of Peas. Pkt 10c, pt 20c (by mail 28c), qt 35c (by mail 50c), 2 qts 60c, 4 qts \$1.10, peck \$2.00, bu \$7.75.

## CHAMPION OF ENGLAND

The best late season tall Pea. Although one of the oldest varieties of Peas we have not yet found one to surpass it in quality. There is no sweeter Pea than the Champion of England. The vines grow almost 5 feet high, are very vigorous and produce a heavy crop of good sized pods filled from end to end with luscious Peas. Pkt 10c, pint 15c (by mail 23c), qt 25 (by mail 40c), 2 qts 45c, 4 qts 85c, peck \$1.60, bu \$6.00.

### Succession Collection Tall Peas

		Postpaid, by mail	By express at buyer's expense
Grades.....	No. 7, 1 pkt., each.....	\$0 25	\$0 25
	No. 8, 1 pint, each.....	70	45
Improved Telephone.....	No. 9, 1 quart, each.....	1 30	85
Champion of England.....	No. 10, ½ peck, each.....		2 75

## VAUGHAN'S SWEET MARKET

An excellent main crop Pea. Its season follows right after the Extra Earlies and continues to bear much longer than most varieties. Very prolific and of fine quality. Height 2½ feet, strong, vigorous vines, many bearing as high as fifty pods. Pods 3½ inches long filled with 7 to 9 peas.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), 2 quarts 50c, ½ peck 90c, peck \$1.75, bu \$6.75.

## LONG ISLAND MAMMOTH

Also called Telegraph. Regarded as a smooth seeded strain of Telephone. A little later; pods not so large nor quality of its large Pea as good. The vine is hardier than Telephone, however. Seeds nearly smooth.

Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 50c, ½ peck 90c, peck \$1.75, bu \$6.75.

## EVERBEARING

A medium height, very prolific variety. Pods about 3 inches in length, large peas of good quality. Good for late Summer and Autumn use. Pkt 10c, pt 15c (by mail 23c), qt 30c (by mail 45c), 2 qts 50c, peck \$1.70, bu \$6.25.

**Yorkshire Hero** An old standard variety. Medium tall in length of vines it produces a fine crop of broad, well filled pods. The peas are wrinkled, sweet and large and remain in good condition for eating a long time. Especially popular on the Pacific Coast.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), 2 quarts 50c, peck \$1.60, bu \$6.00.

**Black Eye Marrowfat (Late)** A great yielder of ordinary quality peas.

Pkt 8c, pint 12c (by mail 20c), quart 20c (by mail 35c), peck 90c, bu \$3.50.

**White Marrowfat** Similar to Black Eye. Popular because of its heavy yield.

Pkt 8c, pint 12c (by mail 20c), quart 20c (by mail 35c), peck 90c, bu \$3.50.

## EDIBLE PODDED PEAS

**Dwarf Gray Sugar** Height 15 to 18 inches. Blossoms purple. Large pods which are eaten like string beans.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), 2 qts 55c, ½ peck 90c, peck \$1.85, bu \$7.00.

**Tall Gray Sugar** Tall growing strain of the above. Price the same as Dwarf Gray Sugar.

**Mammoth Melting Sugar** A late large sugar podded Pea. Vine 4 to 5 feet. Quality the best of Sugar Peas. Pods 5 and 6 inches long, thick and fleshy. Cooked as string beans, they are a delightful dish.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), 2 qts 55c, peck \$1.85, bu \$7.00.

**Vaughan's Osage Gem Musk Melon** (see page 37), introduced in 1900, has been re-named by unscrupulous growers. Avoid them.



TELEPHONE PEAS

## TELEPHONE TYPES

The telephone is without doubt the most popular of all the garden Peas. It has not acquired this public favor without merit. Medium early in season, bears a long time; the pods are always of good size, well filled and the quality is of the very best. Does best when brushed, although will produce a crop without.

**Telephone** The old type is not quite so uniform as some of the improved varieties and has light colored pods instead of dark green.

Pkt 10c, pint 15c (by mail 23c), quart 30c (by mail 45c), 2 qts 55c, ½ peck \$1.00, peck \$1.90, bu \$7.25.

**Vaughan's Improved Telephone** See top of page.

**Prince Edward** A strain especially selected for large pods. The largest podded of all of this type. Not so heavy a yielder as Vaughan's Improved Telephone. Fine for exhibition.

Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), 2 qts 65c, ½ peck \$1.20, peck \$2.75.

**Alderman** An English selection of Improved Telephone. Very uniform. Pods a shade darker than Vaughan's Telephone.

Pkt 10c, pint 20c (by mail 28c), quart 35c (by mail 50c), 2 qts 65c, ½ peck \$1.20, peck \$2.25, bu \$8.00.

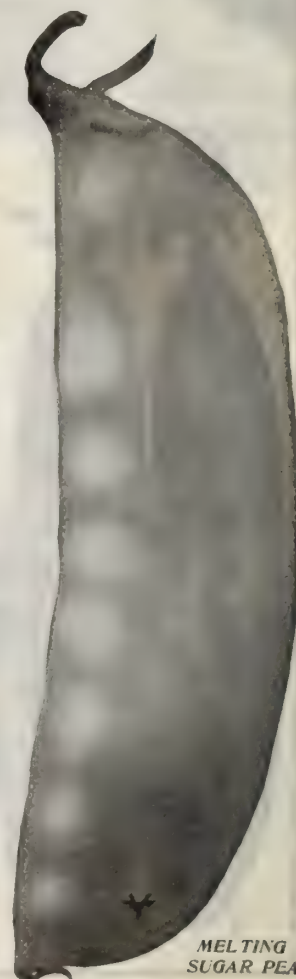
**Vaughan's Exhibition** Slightly later than the ordinary Telephone type. The pods are of immense size, the largest of all peas. For exhibition purposes it has no superior. Should be brushed or poled for best results. Height of vine 4½ feet. The peas are very large, sweet and sugary. Quite prolific.

Pkt 15c, ½ pint 25c (by mail 30c), pint 50c (by mail 58c), quart 85c (by mail \$1.00).



CHAMPION OF ENGLAND

The best main crop tall-growing pea



MELTING SUGAR PEAS





**SWEET MOUNTAIN**

**RUBY KING** One of the most popular varieties; growing 4½ to 6 inches long by 3½ to 4 inches thick. Peppers are a bright ruby red and make one of the best sorts for stuffed pickles. Quite sharp in flavor; the meat is thick, crisp and tender.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 60c, lb \$2.10.

**MAHMOOTH GOLDEN QUEEN** A yellow pepper is well liked by many people; this is considered the best of the yellow sorts. Large, sweet and mild and productive.

Pkt 10c, 2 for 15c, oz 25c.

**GOLDEN DAWN** Yellow in color; sweet, mild and handsome.

Pkt 5c, ½ oz 15c, oz 25c, ¼ lb 60c, lb \$2.10.

**CELESTIAL or CHRISTMAS PEPPER** Small conical fruits. This sort is used as an ornamental plant during the Christmas season. Cream color changing to red.

Pkt 10c, oz 25c, ¼ lb 75c, lb \$2.50.

**FANCY WRINKLED** Quite distinct and ornamental; fine colors, pungent flavor. Used in pickles. Pkt 10c, oz 30c.

## PEPPER

NEW NEAPOLITAN, UPRIGHT  
MAGNUM DULCE Read Novelty Pages

**NEW SWEET UPRIGHT SALAD** For use in the Northern states it is the best garden variety to date. Early and so mild in flavor that even the seed may be eaten raw. The fruits are of medium size, just right for stuffing and frying. In habit the bushes are of medium height and bear the Peppers upright instead of drooping making gathering very easy. The color of the Pepper is a bright shiny green which turns to a waxy red when ripe. Early, prolific, sweet and mild, fine size, making it all together an unsurpassed sort.

Pkt 10c, 2 for 15c, ½ oz 30c, oz 50c, ¼ lb \$1.75c.

**SWEET MOUNTAIN** A straggling growing variety and very productive. The fruits when young are a bright deep green color without any shade of purple; when ripe they are the most handsome red. The flesh is thick and mild; though sharper than Upright Sweet Salad. The Peppers often grow 6 inches long by 4 inches through. Our seed has been very carefully selected.

Pkt 10c, ½ oz 15c, oz 25c, ¼ lb 60c, lb \$2.10.

**CHINESE GIANT** Double the size of Ruby King; not so large as Magnum Dulce. This is the standard large Sweet Pepper. It is quite early to ripen and very productive for so large a variety. Productiveness may be increased by pinching the first or "King" blossoms which appear. They grow 4 or 5 inches broad at the top, and are of equal length. Quite uniform in size. The flesh is mild and unusually thick and makes an excellent salad sliced and served like Tomatoes. Color green changing to a glossy scarlet when ripe.

Pkt 10c, ¼ oz 20c, ½ oz 30c, oz 50c, ¼ lb \$1.45, lb \$5.00.

**NEOPOLITAN** A great market variety on account of its earliness and productiveness. Two weeks earlier than Bull Nose. The fruits are of good size, growing on a vigorous stalky plant. The flesh is quite thick and mild. Color a light green changing to a bright red when ripe.

Pkt 10c, 2 for 15c, oz 25c, ¼ lb 70c, lb \$2.50.

### OTHER VARIETIES

	Pkt.	½ oz.	oz.	¼ lb.	lb.
<b>Cayenne</b> —Long red; very hot.....	5c	15c	25c	75c	
<b>Cayenne Pickling</b> —Dwarf; habit upright .....	10c	15c	25c		
<b>Cherry</b> —Prolific; fruit small and round; good for pickling.....	10c	15c	25c	75c	
<b>Elephant's Trunk</b> —Long, mild; bright scarlet color .....	5c	15c	30c		
<b>Red Chili</b> —Good hot pickling.....	5c	15c	25c		
<b>Red Cluster</b> —Small and pungent.....	5c	15c	25c		
<b>Sweet Spanish Monstrous</b> —Large fruit, mild and sweet .....	5c	15c	25c	60c	
<b>Tobasco</b> —Hottest of all.....	10c				



New Upright  
Sweet Salad  
Pepper

## VAUGHAN'S EARLY POTATOES

RED RIVER  
VALLEY GROWN

Vaughan's Selected Seed Potatoes are the standard among farmers.

Our Triumphs and Obios are raised in the Red River Valley of the North. That locality is ideal for producing the smoothest, most vigorous and earliest Seed Potato known (not excepting the Maine region).

Our potatoes are the pick of this region grown by men of long experience; they are carefully sorted for size and smoothness before leaving growing point. All prongy, small and scabby stock is thrown out.

Stored under perfect conditions; all stock is again resorted in the Spring before shipment.

For fifteen years our Seed Potatoes have given almost universal satisfaction and each year our old customers order from us again to renew their seed.

Seed Potatoes should be ordered early, so that the very best may be had. Last season our best Seed stock was early sold out; money had to be returned or the best stock the market offered was shipped.

### VAUGHAN'S WHITE OHIO

The standard early white Potato. First introduced many years ago by VAUGHAN'S SEED STORE. There is today nothing equal to it in an early White Potato. It originated as a sport in a field of Early OHIOS and is in most respects similar to that variety. Yield, perhaps, not quite so heavy but is far superior in quality and commands so much of a premium on the market over the Early Ohio that the slightly lesser yield is more than made up in the added price. This variety is planted by the car load in the South and West.

By express or freight, ¼ peck 30c, peck 45c, ½ bu \$1.50, bu \$1.50, bbl \$4.00.



VAUGHAN'S WHITE OHIO

IMPROVED EARLY OHIO

### IMPROVED EARLY OHIO

For many years we have grown our Early Ohios in the famous Red River Valley of the North.

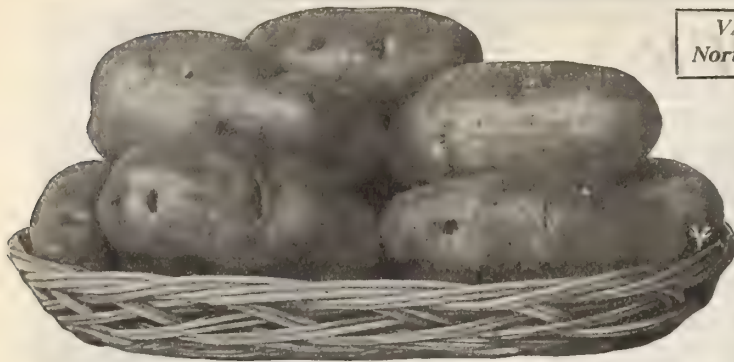
We were the first Seedsmen to start growing potatoes in that locality and our stock has done much to earn that valley its enviable reputation. It is a curious fact that no matter how well seed is selected in the middle states, such stock grown side by side with Seed from the Red River country and the far North will prove inferior in yield and earliness. For this reason nearly all the large early potato growing sections in the middle west and south import their seed stock, using Red River Valley or Maine grown seed.

Vaughan's Improved Early Ohio Seed (Red River Valley grown) is the earliest heavy yielding potato on the market today. The Ohio is the most popular Seed Potato at the present time and more stock is sold of this variety than any three other sorts combined.

All things considered, it is the most desirable early potato to plant for both market and home use. On both heavy and light soils it far outyields other early sorts and produces a more uniform lot of tubers.

By express or freight, ¼ peck 30c, peck 45c, ½ bu 75c, bu \$1.40, bbl \$3.75.



**WOODBURY'S WHITE ROSE****ACME**

A Potato of the Ohio type, in fact very similar to that variety as it is now grown in the Northwest. Usually runs earlier than the old type of Early Ohio and is more prolific. First class for both market and amateur gardeners.

By freight or express,  $\frac{1}{2}$  peck 30c, peck 45c,  $\frac{1}{2}$  bu 75c, bu \$1.40, bbl \$3.75.

**NOROTON BEAUTY OR QUICK LUNCH**

This is a very early, white, round Potato with eyes of medium depth. It may be regarded as the earliest commercial sort up to date. Quality is quite good. It is not a heavy yielder and will run usually about two-thirds the number of bushels per acre that the Early Ohio produces on the same ground. For ordinary purposes it is very hard to distinguish this variety from White Bliss Triumph although perhaps it is a slightly better yielder. Our stock is grown from that of the originator and has been very carefully selected.

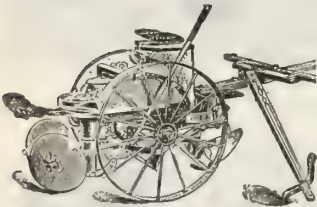
By freight or exp.,  $\frac{1}{2}$  peck 35c, peck 60c,  $\frac{1}{2}$  bu \$1.00, bu \$1.75, bbl \$4.75.

**BLISS OR RED TRIUMPH** For more than a decade this has been the standard early Potato in the South. It is a round reddish skinned Potato; rather deep eyes and of medium size. As they appear early in the Spring on the Northern market they are very attractive and of course command a large premium over the old stock. Seed is scarce this year.

By freight or express,  $\frac{1}{2}$  peck 30c, peck 45c,  $\frac{1}{2}$  bu 85c, bu \$1.60, bbl \$4.25.

**WHITE TRIUMPH** Identical with Bliss type, except in color. A popular sort for Southern use and is planted along with Red Triumph for shipment to early Northern markets.

By freight or express,  $\frac{1}{2}$  peck 35c, peck 60c,  $\frac{1}{2}$  bu \$1.00, bu \$1.75, bbl \$4.75

**IRON AGE POTATO MACHINERY**

We take pleasure in recommending to our customers the "Iron Age" Potato tools as we know they will give unqualified satisfaction. We can supply the Planter, Sprayer and Digger, and as our space here is too limited to give detailed description, we will mail illustrated catalogue on application which will give full details.

Iron Age Potato Planter No. 1 or 3, \$80.00, with Fertilizer Distributer.

Iron Age Potato Planter No. 2 or 4, \$70.00, without Fertilizer Distributer.

Iron Age Potato Digger No. 120..... \$90.00



VAUGHAN'S  
Northern Grown

**EARLY POTATOES****WOODBURY'S WHITE ROSE**

The heavy cropping, second early white Potato. This is a seedling of the Early Rose and takes its earliness from its parent. In prolificness it will compare very favorably with any of the late sorts like Rural New Yorker or Carman No. 3. We have been offering this now for four years and its growing popularity proves it to have been what we claim for it—the most profitable Potato to grow for market use of any variety now on the market. Coming in only a few days after Ohio, it commands a premium over that variety because of its white color and handsome appearance and at the same time it out yields the Ohio almost two to one.

The vine is remarkably vigorous and a good blight resister. The tubers are of a more desirable shape than Early Rose, not so long; skin pure white and eyes are shallow, so there is no loss in peeling. The quality is superior and better than any other early varieties.

One of our customers writes us that the yield from the Woodbury's White Rose was greater than from any of the late sorts which he planted. Besides for market use, in the home garden it should be given a place.

By freight or express,  $\frac{1}{2}$  peck 35c, peck 50c,  $\frac{1}{2}$  bu 85c, bu \$1.60, bbl \$4.25.

**IRISH COBBLER**

A variety which in recent years has attained immense popularity. In many soils it is as early or within a few days as early as Early Ohio and the yield is much superior. Added to this last, the potato is chunky, white in color, and of large medium size, making it the most attractive variety by far on the early Market. This year when Ohios were bringing 60 cents on the Chicago market, Cobblers sold for a Dollar. Customers should order this variety early as for the last three years our supply has been exhausted very early in the season.

By freight or express,  $\frac{1}{2}$  peck 35c, peck 50c,  $\frac{1}{2}$  bu 85c, bu \$1.60, bbl \$4.25.

**POTATOES****Main Crop****NEBRASKA NEW LATE WHITE**

The heaviest cropping main crop flat white Potato. One of the best varieties of late Potato ever introduced. The vines are very broad and produce an immense growth of luxuriant foliage. The tubers are flat, somewhat flatter than Carman or Rural type; size larger and quality superb. From all who have tried this variety, experienced growers and experiment stations we have had the most flattering reports. Three and four hundred bushels per acre yields are not uncommon. In Michigan, Northern and Central Colorado, Illinois, and Nebraska for a series of years the Nebraska has out yielded such kinds as Carman, Sir Walter Raleigh and Rural New Yorker, Beauty of Hebron, etc. For growing for market there is no more profitable sort, for its appearance is ideal and in the home garden its high quality meets the demands of the most critical.

By freight or express,  $\frac{1}{2}$  peck 35c, peck 60c,  $\frac{1}{2}$  bu 90c, bu \$1.70, bbl \$4.50.

**Vaughan's Fire-Dried Seed Corns** Mainly of early varieties, show high vitality and germination. There will be many lots of mouldy corn of weak growth this season, on account of cold and wet. Look out!



# POTATOES

MAIN  
CROP

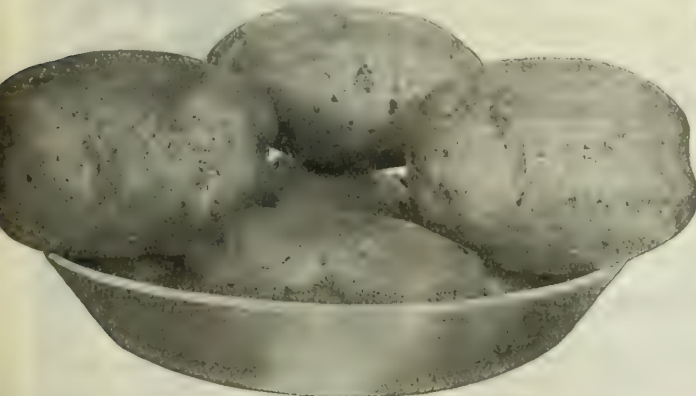
GROWN IN THE FAR NORTH ESPECIALLY  
FOR VAUGHAN'S SEED STORE—TRUE STOCK

## VERMONT GOLD COIN

On loose soils, especially muck land, this new sort has proven a desirable potato. In clay or heavy situations its deep setting habit of growth is detrimental and the crop is inclined to run undersized.

The tubers are white with a slight streak of pink; size is large, slightly irregular and in loose soils run uniformly large size. The vines are vigorous and strong while the roots set deep into the ground. In quality the Gold Coin is the equal of any and it bakes mealy and dry.

By freight or express, ½ pk 35c, pk 50c, ½ bu 85c, bu \$1.60, bbl \$4.25.



CARMAN No. 3

## SWEET POTATOES

GROWN ESPECIALLY  
FOR SEED

We are prepared to furnish in quantity the best Sweet Potatoes that can be had for seed purposes being especially grown and selected for this purpose. We inspect carefully before shipment and forward nothing but sound Potatoes.

Yellow Jersey.....	¾ Bu.	Bu. boxed	Bbl.
Yellow Nansemond .....	\$0 75	\$2 00	\$5 00
Early Carolina .....			
Red Jersey .....			
Red Nansemond .....	1 00	3 00	6 00
Red Bermuda.....			

Sweet Potato Culture by James Fitz, postpaid for 50c.

## SPECIAL POTATO FERTILIZER

This must be quick, lasting and promote healthy, firm growth of tubers. Vaughan's Fruit and Root Crop Manure will do this. See Fertilizer Page 143.



VAUGHAN'S SUGAR PIE PUMPKIN

One of the very best of all Pumpkins for pies. The fruit is small to medium in size; flesh solid and fine grained; sweet and sugary. The seed cavity is small. A splendid keeper.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 80c.

**CALHOUN** Medium in size, solid and of excellent quality. Skin of cream color; flesh salmon yellow. A fine pie variety.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

## PUMPKIN

Plant one ounce to 25 hills, 4 pounds to the acre alone, or 2 pounds with corn. Valuable for stock feeding as well as for the table.

**MAMMOTH or LARGE SWEET** This pumpkin is one of the largest, if not the largest, of all varieties. For a series of years it has won first prize at the Illinois State Fair right in the pumpkin growing center of the country. The vines are productive and usually yield several large fruits per vine. Single specimens often reach a hundred pounds in weight and the average is around thirty to forty. The largest fruits are almost always wanted. The skin is light yellow in color; flesh a deep orange and sweet. Fine for both pies and stock feeding.

Pkt 10c, oz 15c, 2 oz 25c, ¼ lb 45c, lb \$1.50.

### WINTER QUEEN or WINTER LUXURY

Generally regarded as the finest quality pie pumpkin. Besides its high quality it is the best Winter keeper of all. In size about nine or ten inches in diameter; its skin is a beautiful deep orange yellow with a very close netting almost as russeted as a potato.

Pkt 5c, oz 10c, 2 oz 15c, ¼ lb 25c, lb 85c.

**LARGE FIELD or "BIG TOM"** The standard pumpkin grown in corn fields to make a feeding crop for cattle. The vines are strong, vigorous and wonderfully prolific. Fruits average fifteen to twenty inches in diameter. Smooth, hard, reddish orange skin with rich orange yellow flesh. Pkt 5c, oz 10c, ¼ lb 15c, lb 40c; by express, lb 30c, 10 lbs or more at 25c per lb.

VERMONT GOLD COIN

## RURAL TYPES

**CARMAN No. 3** One of the most popular of the Carman group of potatoes. A white, flat variety which sets its tubers very close to the top of the soil, thus giving good yields in clay soil where other varieties do almost nothing. This characteristic applies also to Rural New Yorker and Sir Walter Raleigh. Carman No. 3 grows to the largest size of these sorts. Our seed has been very carefully selected and given the best soil for a number of years.

By freight or express, ½ pk 25c, pk 40c, ½ bu 75c, bu \$1.40, bbl \$3.75.

**SIR WALTER RALEIGH** An A1 late potato. A seedling of Mr. Carman's, whose work on potatoes has become famous. This is an improved Rural New Yorker No. 2. Yields almost all marketable sized potatoes, which are a little earlier and of better quality than Rural. (Read our description of Rural.) Exceedingly fine grained and white fleshed, equaling the old Snowflake quality.

By freight or express, ½ pk 25c, pk 40c, ½ bu 75c, bu \$1.40, bbl \$3.75.

**RURAL NEW YORKER No. 2** The standard white market potato. It is very large, usually smooth, oblong, inclining to round, and rather flattened. Skin and flesh white; quality excellent; season intermediate. Tubers of great uniformity in size; almost every one marketable. Known everywhere as "Dusty" Rural.

By freight or express, ½ pk 25c, pk 40c, ½ bu 70c, bu \$1.35, bbl \$3.50.

**LARGE CHEESE** Of large size, shape flat like a Cheese box, very productive. Keeping quality excellent and extra well flavored and sweet. A good sort for pies as well as stock feeding. Skin buff color; flesh yellow.

Pkt 5c, oz 10c, ¼ lb 20c, lb 70c.

**MAMMOTH PRIZE** A really enormous variety; specimens have been grown as large as 200 lbs. Notwithstanding its immense size it is one of the best pie pumpkins. Flesh fine grained, sweet and tender. Requires a late crop corn season to mature and should be given plenty of room; (one plant to a hill) to reach its largest size.

Pkt 10c, oz 35c, 2 oz 35c, ¼ lb 50c, lb \$1.80.

## OTHER GOOD SORTS

	Pkt.	oz	¼ lb	lb
<b>Small Sugar</b> Flat sort, good for the home garden.....	5c	10c	20c	70c
<b>Japanese Pie</b> Finest quality, good keeper.....	5	10	25	90
<b>Golden Oblong</b> Orange color. Flesh yellow, excellent flavor.....	5	10	25	80
<b>Sweet Potato</b> Bell shaped. White flesh. Used for pies.....	5	10	25	70
<b>Large Tours or Mammoth French</b> Very large size.....	5	10	25	90
<b>Quaker Pie</b> Pear shaped. Rich flavor and good keeper.....	5	10	25	90



**VAUGHAN'S RADISH.**

Vaughan's Early Scarlet Globe and Cardinal Forcing. See Novelty page.

**EXTRA EARLY TURNIP VARIETIES.**

These extra early turnip radishes grow best in a loose, rich soil. They must mature quickly, so should have plenty of water. Pull them before they reach full size as they become pithy and soft. Make frequent plantings (week or ten days apart), so a succession of crops may be had. Sow 1 oz. to 100 feet.

**SCARLET TURNIP WHITE TIP—Vaughan's Selected Stock.**

For outdoor planting this is the most popular radish. The radish is bright scarlet with a white tip. The root is very slender. We sell many thousands of pounds of this radish to critical market gardeners and our stock is the very best. Our seed is most carefully grown from transplanted roots and is just right in color, size and shape. The white on tip is not quite so much as our Sparkler strain, but is sharply defined.

Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs., \$2.00.

**Vaughan's Sparkler Strain of Scarlet Turnip White Tip.**

⅓ white tip—Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Vaughan's Earliest Scarlet Globe White Tip.**

The earliest of white tip sorts. An extremely quick growing sort. With white tip, short top and thin tail. (Of excellent quality.) Pkt., 5c., oz., 10c, 2 oz., 15c; ¼ lb., 25c; lb., 75c.

**Vaughan's Earliest Carmine Turnip.** The best and quickest early, all scarlet turnip radish, of wonderfully quick growth, maturing in about three weeks. The leaves are very short, rendering them particularly adapted to forcing under glass; of superior flavor, crisp and tender. Skin deep carmine red, very attractive. One of the best outdoor kinds for the home garden. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; lb., 75c.

**Radish, "Crimson Giant."** This radish is an entirely new type and differs radically from all varieties hitherto in cultivation, in so far as its roots attain more than double the size of those of other forcing varieties, without getting pithy or hollow. It is very early notwithstanding its size. Color crimson, flesh pure white, of the best quality. Fine for outdoors and forcing. The seed should be sown very thinly to permit full development of the roots. Pkt., 10; oz., 15c; ¼ lb., 30c; lb., 90c.

**Earliest White Turnip. Short Top.** (White Box.) Of quick growth; roots round, pure white; tails very thin; leaves short; flavor excellent. Fine for forcing and open ground. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Triumph.** (Speckled Beauty.) This is a unique and useful sort. The skin is handsomely striped and mottled, scarlet and white, making it very attractive. Very early with short top and good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

**All Seasons.** In a class by itself. This radish can be sown from Spring until Autumn. The root is round, of brilliant scarlet color; grows to good size and keeps solid longer than any other early round sort. The best all-purpose radish. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**Extra Early Olive-Shaped Radishes.**

**Vaughan's "20-DAY" RADISH.** The quickest of all Red Radishes. Quick growth is one of the main essentials for a crisp and tender Radish. This matures in 20 days after sowing, which makes it one of the most valuable sorts for forcing or outdoor culture. The flesh is pure white, crisp and of very pleasant flavor; the skin is a most attractive bright scarlet. The leaves are very short, which admits of very close sowing. Pkt., 5c; oz., 10c; 2 oz. 15c; ¼ lb., 25c; lb., 75c.

**IMPROVED BREAKFAST.** Its color is very deep, glossy crimson. The white is well defined and contrasts very pleasingly with the deep red of the upper part. One of the best early radishes for family use. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**EARLIEST WHITE.** This is not only the earliest White Radish, but the earliest of any color; good sized radishes having been pulled in from 15 to 18 days after sowing. The radishes are pure white, oblong and tender. The tops are small, which means a good forcer and admits of close planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

ANY OF THE FOLLOWING, PKT. 5c; OZ., 10c.

	¼ lb.	Lb.
OLIVE SHAPED DEEP SCARLET. Similar to Vaughan's 20-day.....	\$0.15	\$0.55
OLIVE YELLOW MAY. A new sort of fine quality.....	.20	.60
FRENCH BREAKFAST. Quick and handsome.....	.15	.55
MIXTURE. Of turnip and olive shaped varieties.....	.20	.55



VAUGHAN'S EARLY SCARLET GLOBE.  
White Tip.



VAUGHAN'S EARLIEST CARMINE  
TURNIP.



IMPROVED BREAKFAST RADISH.  
Fine radish for the home garden and market



SCARLET TURNIP WHITE TIP.

ANY OF THE FOLLOWING, PKT., 5c,  
Except Where Noted.

Oz. ¼ lb. Lb.

VAUGHAN'S SCARLET GLOBE SELECTED STOCK. (See novelty pages.) The standard forcing radish.....	\$0.10	\$0.25	\$0.90
SCARLET GLOBE. (Ordinary stock.).....	.10	.20	.60
VAUGHAN'S CARDINAL FORCING. (See Novelty pages.) The best forcing radish.....	Pkt., 10; .15	.35	1.25
NE PLUS ULTRA. Rich scarlet, turnip shaped, good forcer.....	Pkt., 5c; .10	.25	.75
EARLY DEEP SCARLET TURNIP. An old standby.....	.10	.20	.60
YELLOW TURNIP. (A summer variety.).....	.10	.20	.60
GOLDEN YELLOW SUMMER TURNIP. Smooth and fine skin.....	.10	.20	.60



VAUGHAN'S 20-DAY RADISH.  
The Quickest of All Red Radishes.



# RADISHES.

Please Remember. Our Radish seed is saved from selected, transplanted roots, and it costs more to raise Radish seed if grown in that way than if no selection is made.

## ICICLE. The Finest Eating, White Radish.

This sort has long, slender, pure white roots, which remain mild and crisp until they grow of large size. Many of our customers think it the finest radish they have every grown. Tops are quite short, making it early, and also allowing their close planting. A succession is secured by planting seed every ten days. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Brightest Long Scarlet.** This is the handsomest and earliest long Red Radish. It resembles the Long Scarlet in shape and is usually fit for use in 25 days after sowing. The color is brightest scarlet, the tails are snowy-white tipped. This combination of red and white make it the best seller of any long radish on the market. It is also an excellent sort for the home garden. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Wood's Early Frame.** This is an extra early forcing strain of the long scarlet, short top, selected especially for growing under glass for use in frames. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Half Long Deep Scarlet.** A half long deep scarlet radish. Is much grown in the South for early shipment. Is also good forced. In quality it is brittle and juicy. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

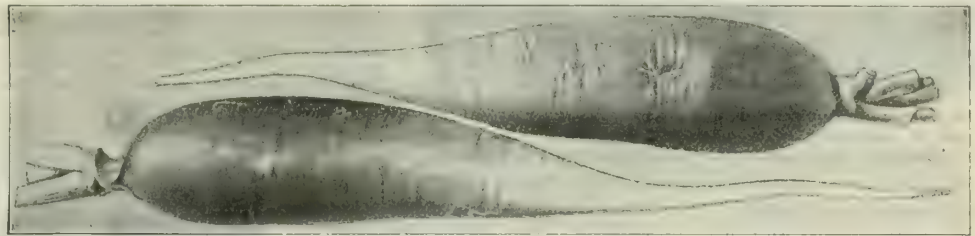
**Early Long Scarlet, Short Top.** A standard variety of the long type of radish, for both market and home use. The roots grow long, partly above the ground, straight, smooth and of a bright rich scarlet color. The flesh is crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Vaughan's Market.** The best early half-long White Radish, tender, delicate, brittle and fine flavored, resembling the Strassburg in size, but of quicker growth; very smooth and regular in appearance with pure white skin. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Cincinnati Market.** A long red radish, 6 to 7 inches in length, with quite short top. This is a standard, and is a market radish in a number of Southern communities. Does well also in the North, and the quality is all that can be desired. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



ICICLE RADISH.



RADISH, BRIGHTEST LONG SCARLET.

## SUMMER RADISHES.

These grow larger than the early radishes and remain in good condition to eat much longer.

**Improved Chartier.** Some-what resembling the long Brightest Long Scarlet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Long White Vienna.** Snow white, very brittle and crisp. A beautiful long handsome radish of rapid growth. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**White Strassburg.** Of somewhat larger size and thicker than Vienna. Very solid. An excellent market variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Stuttgart.** A turnip shaped, large white radish. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

## RAMPION.—A New Salad.

Both the roots and leaves make a delicious salad. Pkt., 10c; ½ oz., 15c; oz., 30c; 2 oz., 55c.

## SALSIFY, OR OYSTER PLANT.

This really delicious vegetable should be more generally grown. It surpasses for table use, both parsnips and carrots, acquiring, after a good frosting, a decided oyster flavor. The roots should be left in the ground to be dug up during thaws in the winter and spring. Salsify is boiled like parsnips or carrots, or is half-boiled and grated, then made into balls which are dipped into batter and fried like oysters. MAMMOTH SANDWICH ISLAND SALSIFY is the most popular.

**Mammoth Sandwich Island.** This variety is much more uniform in growth than the old standard Long White Salsify. It is twice the size and weight. The roots are of superior quality and most delicate flavor, especially after being touched with frost. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

**LONG WHITE SALSIFY.** The old standard. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10.

## SCORZONERA OR BLACK SALSIFY.

**Scorzonera, or Black Salsify.** Considered by many better than White Salsify. Somewhat harder to raise, although cultivated the same. Pkt., 5c; oz., 15c; ¼ lb., 45c.

**Improved Long Black (Black Salsify).** This variety may be planted in the late Spring, earlier than Black Salsify, without running to seed, the longer season thus permitting a considerably larger growth of root. Pkt., 10c; oz., 20c.

## RHUBARB.

**Vaughan's Mammoth.** Vigorous and productive; stalks numerous, the larger ones being 15 inches long and fully 1½ inches wide. It is the first article of the season from the garden, and no garden should be without it. Seed, pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00 postpaid.

**Chicago Giant.** This rhubarb is the result of an expert's breeding for large stalks and small leaves. We have grown this for a number of years, and consider it the finest variety we have seen. Pkt., 25c; 3 for 65c.

**Rhubarb Roots.** Set in spring they will furnish leaf stalks the following season. Clumps, each, 15c; doz., \$1.50; not prepaid. Small roots, each, 10c; doz., \$1.00; by mail postpaid. We can also supply for immediate effect extra large clumps at 25c to \$1.00 each. These clumps are extra large and heavy and will be sent by express or freight (at buyers' expense).

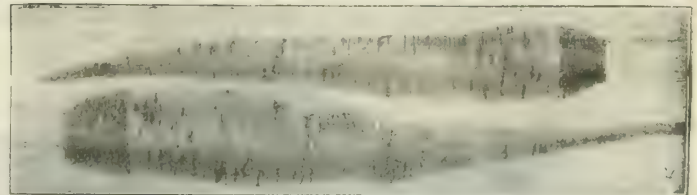
## WINTER RADISHES.

Do not sow these until the latter part of June.

**The Munich.** The German favorite. The radishes are white and grow from 6 to 8 inches in length; are broad at the shoulder, have a white thin skin; grow quickly; have mild and delicious flavor. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Each of the following, Pkt., 5c; oz., 10c; except where noted.

CALIFORNIA MAMMOTH WINTER.	Long, very large size, fine keeper	¼ lb. \$0.20	lb. \$0.70
ROSE OR SCARLET CHINA.	Rose color, medium size,		
CHINESE MAMMOTH OR CELESTIAL.	The best of all very large white radishes. Immense size and the flesh always crisp and mild	.25	.75
BLACK SPANISH LONG.	Black skin and white flesh.	.20	.60
BLACK SPANISH ROUND.	Similar to Long Black, except in shape	.20	.60
HALF LONG BLACK WINTER.		Pkt., 5c; oz., 10c;	.25 .75
LONG WHITE SPANISH.	Similar to the Long Black except in color	.25	.75
RAT TAILED RADISH.	Seed pods edible.	Oz., 30.	



SALSIFY, MAMMOTH SANDWICH ISLAND.

## RHUBARB

### CULTURE,

(The New)

A valuable comprehensive book.

A complete

practical

guide; bound

in cloth.

130 pages.

Price, .... 50c postpaid.



Vaughan's MAMMOTH RHUBARB.





VAUGHAN'S NORFOLK SAVOY SPINACH.

**VICTORIA.**

Of the true Savoy type; foliage, dense; leaves, broad and of dark green color; quality of the best. It is a heat resister, and remains in prime condition two to three weeks after all other varieties have run to seed. Oz., 5c;  $\frac{1}{4}$  lb., 12c; lb. 30c, postpaid. By express, lb., 20c; 5 lbs., 75c; 10 lbs. \$1.25; 100 lbs., \$12.00.

**SWISS CHARD.**

No vegetable requires less care than this, and it is safe to say that none yields as constantly as this spinach, producing uninterruptedly from July until Winter. Also called "Cut and Come Again Spinach."

If your garden space is limited, Swiss Chard must have a place, for in ground occupied, Swiss Chard produces more food for the table than almost any other vegetable. The leaves are used for greens the same as Spinach or beet tops; they are equal in quality and easier to prepare than spinach, and far superior to beets. Sow early in Spring, in rows 16 inches apart, and thin out to 6 inches apart in the rows. It can be used all Summer when spinach is not available. Later the leaves grow very large, with broad, flat, pure white stems, and mid-ribs, which may be cooked like Asparagus or made into very good pickles. Our packages contain recipes for cooking both the leaves and stalks.

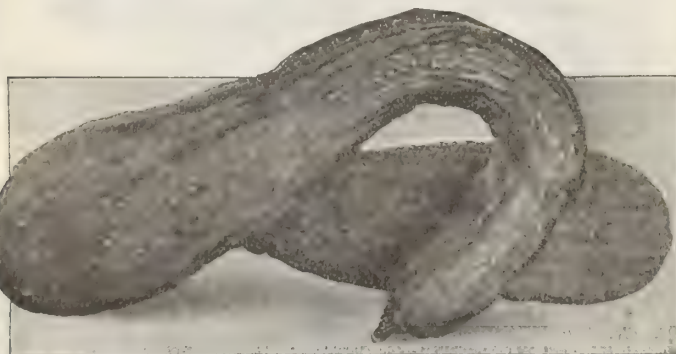
An ounce of seed is sufficient for a medium sized family.

Many of the Chicago gardeners use Spinach as a catch crop, giving quick results where land would otherwise stand idle. The investment is small and returns often large.

Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Lucullus Swiss Chard.** A new Moss Curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00.

**Lyon Swiss Chard.** A new variety, selected especially for its broad mid-ribs and stems. Pkt., 10c; oz., 20c.



VAUGHAN'S GIANT SUMMER CROOKNECK.

**GIANT SUMMER CROOKNECK.**

Our strain of this squash is a great improvement upon the standard, popular, yellow Summer Crookneck. It has nearly double the former size, runs more evenly as to type, and grows fruit in quantity on healthy, compact, bushy plants. The fruit is heavily warted, its flesh is of a deep golden color, and its quality is of the very best. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.

**SPINACH.**

SOW 10 TO 12  
POUNDS TO THE ACRE.

**VAUGHAN'S NORFOLK SAVOY.**

(Bloomsdale). The plants are extremely hardy and of good size. The leaves are very thick and blistered. Its hardiness and thickness of leaf permit safe long-distance shipping. A great favorite with Southern Truckers. Our strain is carefully grown and has secured and kept the trade of the largest and best growers in the country. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 35c, postpaid. By express, lb., 25c; 5 lbs. 95c; 10 lbs. \$1.70; 100 lbs., \$15.00.

**Extra Large, Round Leaf.**

Large crumpled leaves. Oz., 5c;  $\frac{1}{4}$  lb., 12c; lb., 30c, by mail. By express, lb., 20c; 5 lbs., 75c;

10 lbs., \$1.30; 100 lbs., \$12.00.

**Prickly Seeded.**

Very hardy; good for fall sowing. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c, postpaid.

**Long Standing.**

Slow going to seed. Oz., 5c;  $\frac{1}{4}$  lb., 12c; lb., 30c, postpaid. 10 lbs., \$1.30; 100 lbs., \$12.00, by express.

**Monstrous-Leaved Viroflay.**

Quick, strong growth; much used by New York truckers. Oz., 5c;  $\frac{1}{4}$  lb., 12c; lb., 30c, postpaid. 10 lbs., \$1.40, by express.

**New Zealand.**

This sort is grown to supply the place of ordinary Spinach during the hottest months of the year, or in dry, arid localities, where ordinary Spinach does badly. The leaves are eaten boiled like those of other kinds. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.

**SORREL. Sauerampfer-Oseille.**

Of the easiest growth. Sorrel is cultivated for its leaves, which possess a very fine flavor; boiled and served like Spinach. It also makes a delicious soup. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.



SWISS CHARD. Nothing Better for the City Garden.

**SQUASH.**

SUMMER  
VARIETIES.

**GIANT WHITE SUMMER CROOKNECK**

This is a selection from the old Summer Crookneck, but is somewhat larger. The skin is ivory white, making a very attractive appearance, when this squash is grouped with other Summer vegetables. In quality it is tender, and well-flavored. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c.

**SUMMER CROOKNECK**

The old standard Crookneck variety, smaller in size than Giant Summer or Crookneck, otherwise similar. Very prolific. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 70c. ....

**STRAIGHTNECK.**

This variety has gained an advantage in shipping over the Summer Crooknecks, which have always been difficult to pack for distant markets, while in size and quality it compares favorably with any of its class. A desirable sort for gardeners distant from markets. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 75c.

The Delicious Squash—"I never ate so fine a squash."—Prof. Maynard, Massachusetts Agricultural College.

"We think that in fineness of grain and delicacy of flavor it surpasses the Hubbard when in its best state."—Luther Tucker & Son, editors of Country Gentleman.

**Our Prices** on pounds include postage. If sent "by express" customer paying charges, 10 cents may be deducted from the single pound rates.



# SQUASH.

## SUMMER VARIETIES.

Plant Squashes in warm, light, rich soil and (about 8 or 10 seeds to a hill), afterward they may be thinned out to 3 or 4 vines.

### MAMMOTH WHITE BUSH, Patty Pan.

The old Early White Bush Scallop has long been the favorite early Summer squash. Mammoth White Bush is an improved selection only a few days later; it is considerably larger and deeper, has less scallops, saving waste, and produces more heavily. Peeled and sliced, then fried like an egg plant, this squash furnishes a most delicious dish. We have a very select strain. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**EARLY WHITE BUSH.** The older, very early sort. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**MAMMOTH GOLDEN BUSH.** Like the Mammoth White Bush; however, the fruits run a little larger and have a fine pale yellow skin with creamy yellow flesh. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**EARLY YELLOW BUSH.** A true bush, though of an earlier and smaller strain than the above. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**BUSH FORDHOOK.** A new bush type of the original Fordhook, unequaled in quality and delicious sweetness by any variety whether for summer or winter use. The young tender fruits are prepared and cooked like other summer squashes, or stored before frost, in a warm dry place, furnish winter squash for table use until the next new crop is ready. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**FORDHOOK.** Ripens early and is one of the best keepers we know of. Can be kept all through the Winter until June. Is very prolific, and nearly bug and borer proof. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

## WINTER VARIETIES.

Squash and Musk Melons are apt to develop smooth skinned fruit if planted too thick.



CHICAGO WARTED HUBBARD.

**BOSTON MARROW.** A widely popular squash for Fall and Winter use. Rind thin, bright orange in color, flesh yellow, rich and sweet; form oval. A good keeper and unexcelled for pies. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**CHICAGO ORANGE MARROW.** As large as the Hubbard, and of good quality. As long keeping as other sorts, yet ten days earlier. In season from September to January, and always saleable, because of its handsome shape, desirable size and smooth orange skin. It suits everybody. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c. By express, lb., 60c; 5 lbs., \$2.80; 10 lbs., \$5.50.

**PIKE'S PEAK OR SIBLEY.** A very vigorous and productive old standard variety. The fruits are large, oval in shape, the blossom end tapering. The color outside is dark green and inside the flesh is light yellow and of superior quality. Pkt 5c, oz 10c, ¼ lb 30c, lb 90c.

## OTHER GOOD KINDS.

**DELICATA.** Orange-yellow color splashed and striped with dark green. Quality is rich, dry and solid. Extra early, a good keeper and fine producer. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 70c.

**FAXON'S BRAZILIAN.** A great variety to sport; early, long keeping; average quality excellent. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**GOLDEN BRONZE.** Of large size, 8 to 10 pounds, a grayish green color, flesh golden yellow; sweet, early and a good keeper; very uniform. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 30c; lb., \$1.00.

**MARBLEHEAD.** Light blue, olive shape, delicious flavor, sweet and dry, prolific. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.

**ESSEX HYBRID.** Large fruits, broad; large neck or Turk's cap at its blossom end. Good for Fall or Winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c.



SQUASH, MAMMOTH WHITE BUSH.

## CHICAGO WARTED HUBBARD.

In growing the original green Hubbard on a large scale for market, it was found the largest, heaviest, dark, rough-skinned specimens were the most valuable, and most saleable. Because of this fact, selections of such fruits were made and the result is our selection of Chicago Warted Hubbard Squash. (See type illustrated on this page.) This strain is the ideal winter squash for the home market. Vines have a strong, robust growth; fruits are large, of handsome shape, heavily warted and of a dark green color, flesh is rich and dry, two fine qualities for cooking. Pkt., 5c; oz., 10c; 2 ozs., 15c; ¼ lb., 25c; lb., 80c; 5 lbs., \$3.25; 10 lbs., \$5.50.

**HUBBARD.** The original Hubbard is similar to the above; however, is smoother and does not run quite so large. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 70c; 5 lbs., \$2.75.

**RED OR GOLDEN HUBBARD.** A perfect type of the Green Hubbard, except in color, which is a bright, deep orange-yellow, very showy and attractive. Flesh deep golden yellow, much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels, the Green variety. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

## VEGETABLE MARROW.

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy, and should always be used in a young state. Our packages contain cultural directions and recipes for cooking. Pkt., 10c; oz., 15c; 2 ozs., 25c.



DELICIOUS SQUASH.

## THE DELICIOUS SQUASH.

### The Best Flavored Squash in Existence.

For table use no squash compares with this in its remarkable combination of fineness and compactness of grain, dryness, sweetness and exceeding richness of flavor. It is a fall and winter squash, being excellent at all seasons, though it does not acquire its best quality until winter. The fruits vary somewhat as to shape and size, but usually weigh from five to ten pounds. The rind is uniformly green, the flesh dark orange and very thick. Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00, postpaid



**EARLIANA.****DWARF STONE TOMATO.**

This is the largest Dwarf Tomato in existence. In habit of vine it resembles the Dwarf Champion, but is of stronger growth and is more erect. The fruit is similar to the Tall Stone in color (red), shape and practically in size. Specimens weighing one pound each are quite common. The season is fully as early as the Dwarf Champion, but the fruits are double the size. On account of its being of dwarf habit, for the amateur, who is not used to training vines, this is a most desirable sort. The fruit is free from cracks at the stem end, solid, ripens evenly and is of excellent quality. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

**CHALK'S EARLY JEWEL.**

The largest and smoothest of the extra early red tomatoes. Somewhat later, a week or ten days, than Earliana. The fruits are larger and smoother. The vines grow very compactly, are immensely productive, and better still, bear continuously throughout the season, in which respect it far surpasses Earliana. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50

**VAUGHAN'S MODEL TOMATO.**

A handsome dwarf tree variety; large size; scarlet color; early and of the best quality. Sure to please in the home garden. Pkt., 10c; ½ oz., 20c; oz., 35c; 2 oz., 65c.

**ACME.**

An early, purple fruited tomato, very valuable for market gardeners who ship or have a home market, and also for the amateur. The vine is large and very prolific, bearing fruit in clusters of four or five. The first fruits ripen early, and the fine, smooth, large tomatoes are produced until frost comes. One of the A1 standard varieties. Pkt., 5c; oz., 20c; ¼ lb., 70c; lb., \$2.25.

**TOMATO PLANTS**

We have ready about May 15th carefully grown plants of the following varieties: Acme, New Stone, Dwarf Stone, Dwarf Champion, Ponderosa, Beauty, Globe, and others. Three sizes—seedlings from the hot beds; transplanted plants from flats; and 2-inch pot plants. For prices see page 137.

**FORCING VARIETIES.**

**Best of All, Sutton's.** One of the very best for under glass culture. It sets very free and is an immense cropper, producing heavy bunches of fruit at short intervals all over the plant. Color, a deep scarlet, of good size, and fruit very solid and producing very little seed. Pkt., 10c; ½ oz., 25c; oz., 50c.

**Comet.** Scarlet color. In size it compares with a Medium Stone. Good judges say it is the very best forcing tomato, out-bearing other varieties in uniform fruit of high quality. Pkt., 25c.

**Frogmore Selected Forcing.** A free cropping, free setting, medium sized variety, very uniform and smooth, almost round, solid and very firm; color, clear bright scarlet, with very deep flesh and remarkably small seed space. Selected seed. Pkt., 15c; ½ oz., 25c; oz., 50c.

**Lorillard.** One of the best known commercial forcing sorts, early, bright red, fine flavor. Pkt., 5c; oz., 25c.

**Marvel, Hubert's.** Scarlet color, round like an apple and very solid; fine size for stuffing. Pkt., 15c; oz., 35c.

**Stirling Castle.** Scarlet color. Small size, very uniform, solid, and one of the most productive of greenhouse sorts. We have a fine strain. Pkt., 25c.

**Sunrise.** A new A1 English forcing sort. Rich scarlet in color, with solid but delicate flesh, containing but few seeds. Very prolific, fruit medium size. The most desirable variety for growing under glass we have yet tried. Pkt., 25c.

**SUNRISE.****TOMATOES** *Raised for Seed Only.***EARLIANA—The Best Extra Early Variety.**

It is the earliest large, smooth, heavy yielding red tomato. Not only is it desirable on account of its earliness and large size, but on account of its handsome shape and bright red color. Its solidity and fine quality are equal to the best medium and late sorts. Plants are very compact, with stout, jointed branches, and yet the vines yield enormously. For early sort in the Northern market and home garden, there is nothing to compare with this red tomato. In some Southern shipping sections, it is now grown almost exclusively. Our seed is selected by tomato experts of years' standing, for earliness, trueness to type, and productiveness. In our tests with all of the finest strains from seedsmen and large market gardeners, we have not found one superior. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 80c; lb., \$3.00.

**VAUGHAN'S EARLIEST OF ALL.**

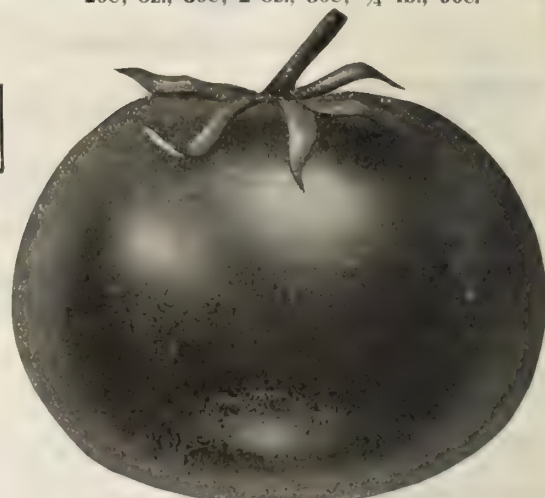
This is the earliest tomato we have ever planted, and may be used in the North where there are poor hot bed facilities for growing plants. Where other varieties can be used, this is not particularly desirable, on account of its small size and roughness, wherefore, it cannot compete in appearance with other varieties. Plants are dwarf, robust and quite prolific. Fruit of good quality. Pkt., 10c; ½ oz., 15c; oz., 30c; ¼ lb., 85c.

**EARLY DWARF CHAMPION.**

A great favorite on account of its dwarf habit and upright, tree-like growth, which permits close planting. The fruit much resembles the early main crop variety Acme; medium size, the color being a purplish pink, very smooth and symmetrical, fine quality and very solid meated. The vine growth is very strong and stiff, so that it needs almost no support. We cannot recommend this sort too highly for the home gardener. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**TALL CHAMPION TOMATO.**

An unusually strong, rank grower and a heavy bearer. The fruits resemble the Dwarf Champion in color and smoothness, although they run a little larger in size. Fair average size of the fruit is 2½ inches thick and 3¼ inches broad. This is a remarkable variety to stand up under adverse conditions, on account of its great hardiness. It is extremely prolific and certainly one of the most desirable sorts for the private garden. Some of the market gardeners also raise this variety for their main crop sort. Pkt., 10c; ½ oz., 20c; oz., 30c; 2 oz., 50c; ¼ lb., 90c.

**DWARF STONE.****DWARF CHAMPION.**

**Dwarf Aristocrat.** This is a scarlet Dwarf Champion. The Dwarf Champion size, shape, and form is nearly perfect for home use and with the brilliant deep scarlet color which we get in the Aristocrat little is left to be desired. It will be found good under glass and for early market out of doors. It may be planted 3x3 feet or closer, making it suitable for small gardens. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.





**IMPROVED STONE. (The King of Reds.)  
BEAUTY.**

The Smoothest and Best of the Large Purple Sorts. Vines large, vigorous and heavy bearers; fruit large, uniform in size, very smooth, color of skin purplish pink; flesh light pink and of excellent flavor. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., \$2.25.

**Matchless.** This is a very large fruited and long keeping bright red Tomato. The fruit remarkably solid and is produced in quantity on strong, vigorous vines. A very distinct and desirable variety. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Enormous.** Exceptionally large, also unusually smooth, with solid meat and few seeds. It is oval in shape rather than round. Medium in season, and ripens all through the fruit at once. Deep red. The fruits are very large—the vine, however, is not so productive as Matchless. Pkt., 10c; oz., 25c; 2 ozs., 45c; ¼ lb., 80c; lb., \$3.00.

**Cream City.** This is one of the very first large Tomatoes to ripen, coming in about a week ahead of Acme. Smooth, always round and good first size. The color is purplish crimson, similar to Acme. Flesh is very thick, firm and solid, with few seeds. Good shipper, does not crack or rot. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., \$2.25.



**A BASKET OF BEAUTY. (Smoothest and Best of Large Purple.)**

### SMALL-FRUITED TOMATOES.

The fruit of these are largely used for making fancy pickles, preserves, etc. The plants are extremely productive.

**Yellow Plum.** The fruits average two inches in length and one inch in diameter, of a bright lemon-yellow; are solid, fleshy and of excellent flavor. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75. **Red Plum,** same as Yellow Plum, except color, same price.

**Yellow Pear.** Similar to the Yellow Plum, but the fruits have a distinct pear shape. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**Red Pear-Shaped.** The larger plum-shaped red tomato. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

**Red Cherry.** Little fruits of a bright scarlet color. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

**Red Currant.** Very small. Pkt., 5c; ½ oz., 15c.

**SPECIALLY  
SAVED**

## TOMATO SEED.

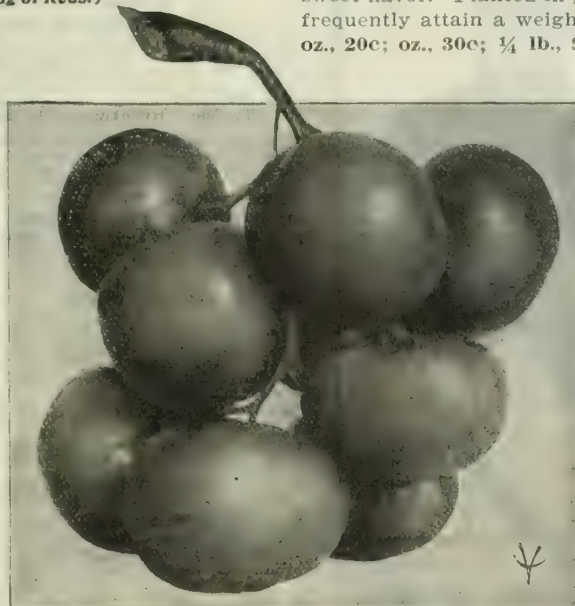
We do not use Canning Factory Seed.

### VAUGHAN'S IMPROVED NEW STONE

This tomato is the "King" of the Reds for main crop use. It overtops all others. Its smooth, small cored, solid almost "beefy" scarlet tomatoes are not equaled by any other variety in appearance, size or largeness of yield. Gardeners appreciate this, and use it almost exclusively in markets demanding a red tomato. Our strain is most carefully bred, and our seed choice. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

### PONDEROSA.

This is the largest-fruited Tomato and is of fine quality for slicing. The vines are of strong growth; fruits largely oblong in form, deep through, and generally ridged or ribbed; deep purple in color. They are solidly fleshy with small seed cells; of fine sweet flavor. Planted in good soil, pruned to a single stem, fruits frequently attain a weight of one pound or more. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.



**SINGLE CLUSTER OF PONDEROSA. (Largest Fruited.)**

**Magnus.** A purple fruited, distinct, early main crop variety. Strong grower with short joints, setting the fruit clusters very close together, and is, therefore, a heavy cropper. Fruits are very thick, many of them being almost globe shaped. Ripens evenly. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., \$2.25.

**Early Michigan.** An excellent, uniform early sort. Firstfruits are very early, while the vines continue bearing a long time. Vines large growers and very productive, will stand high culture. Fruit medium to large, increasing in size as the season advances. Smooth and free from cracks. Pkt., 5c; ½ oz., 12c; oz., 20c; 2 ozs., 35c; ¼ lb., 70c; lb., \$2.25.

**Crimson Cushion, OR BEEFSTEAK TOMATO.** Fruit very large, round and regular; bright scarlet color, flesh solid and of best quality; cells small and few in number. The plants are very productive. The fruit is of fine form and appearance, and will stand shipment well. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**Our Tomato Seed.** has all been grown by Tomato Specialists, who plant for seed only. It is not as cheap as that from canning factories, but it is good and reliable, and will give satisfaction.

### OTHER WELL-KNOWN STANDARD VARIETIES.

Per pkt., 5c, of any of the following:

	½ oz.	1 oz.	¼ lb.	1 lb.
<b>Early Freedom.</b> Very early, smooth.....	\$0.12	\$0.20	\$0.70	\$2.25
<b>Favorite.</b> Large, early and smooth, color bright red, good shipper.....	.12	.20	.70	2.25
<b>Golden Queen.</b> Rich deep yellow.....	.12	.20	.70	2.35
<b>Honor Bright.</b> Best shipper; large and good quality.....	.12	.20	.70	2.25
<b>Imperial.</b> Large early purple variety.....	.12	.20	.70	2.25
<b>Perfection.</b> Very solid flesh; blood red color; late; a favorite variety.....	.12	.20	.70	2.25
<b>Trophy.</b> An old standard; late.....	.12	.20	.70	2.25

### STRAWBERRY or

### HUSK TOMATO.

Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for eating, preserving, or making pies. Pkt., 5c; ½ oz., 15c; oz., 25c.

### TWO PEACH TOMATOES.

(Red and Yellow)

The fruit is of uniform size, resembling a peach in shape, size and color, one of which is a deep blended rose with orange amber, and the other clear lemon-yellow. It is desirable for eating from the hand. The skin is thin and peels off like that of a peach. Each, red or yellow Peach, pkt., 10c; ½ oz., 20c; oz., 35c; both kinds mixed, pkt., 10c; 3 for 20c.





**Garden TURNIPS and RUTABAGAS****CULTURE**

Sow in July or August on new land 1 oz. to 150 ft. of drill. Drilled 1½ lbs. to the acre; broadcast, 3 to 4 lbs.

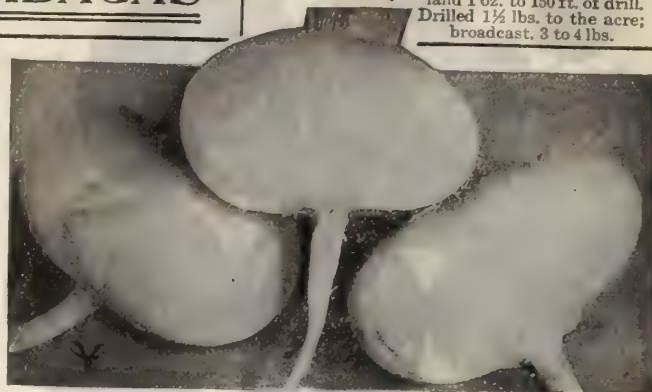
**WHITE FLESHED VARIETIES.**

**White Milan.** The Earliest of All. The earliest turnip, and the best skin is so smooth and neat as to seem polished. The foliage is short. The medium, and the flesh is white, tender and smooth grained. Can be used Spring or Fall. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 85c.

**PURPLE TOP MILAN.** Almost the same in season as the White Milan. Size is medium; shape flat; skin very smooth. The surface color is white with a purple white top. White flesh of good quality. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**EARLY PURPLE TOP, Strap Leaved.** This is an early variety, about a week later than Milan, and a great favorite for table use; form flat, like a broad disc in shape, and of medium size. Color, purple or dark red above ground, white below; flesh white, fine grained and tender; leaves few, entire, upright in growth; a good keeper. Postpaid, pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c. By express, lb., 30c; 5 lbs., \$1.35; 10 lbs., \$2.50.

**EARLY WHITE FLAT DUTCH.** A most excellent early garden variety and largely used in the southern states. Roots medium sized, flat, color white, very early, sweet and tender. It is desirable for table use, but is spongy and inferior when overgrown. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**WHITE MILAN, THE EARLIEST OF ALL.****PURPLE TOP WHITE GLOBE.**

This is the most popular of all market turnips. It originated from the purple top, flat turnip. The shape is globular and of good size and in appearance it is the best looking of all varieties, the white globe surface having an uneven purple edging at the top. The flesh is firm, fine grained, white, and of most excellent flavor. It is a fine keeper, equally desirable for table and stock. An immense producer. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c. By express, lb., 40c; 5 lbs., \$1.85; 10 lbs., \$3.65.

**White Egg.** A quick-growing, egg-shaped, perfectly smooth, pure white variety, growing half out of the ground, with small top and rough leaves. The flesh is very sweet, firm and mild, never having the rank strong taste of some white varieties. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**COW HORN or LONG WHITE.** A pure white variety with a slight shade of green on the skin at the top. In form like a carrot, and is usually slightly bent. It grows nearly half way out of the ground. The table quality is the best, and it is a rapid grower. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 55c.

**RHODE ISLAND ROCK.** A great improvement on the White French Turnip, made after years of selection by a Rhode Island market gardener. It is fully three weeks earlier than any other turnip of its class, and can be planted later to follow such crops as peas, corn, beets, etc. It is very hardy and solid, flesh pure white, fine grained, brittle and sweet. Excels all other turnips as a keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**EARLY SNOWBALL.** Small, rapid grower; white. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**WHITE NORFOLK.** Globular, late, solid. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**POMERANIAN WHITE GLOBE.** Large, good for both table and stock. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**SWEET GERMAN.** A fine table sort, white flesh, excellent keeper. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**SEVEN TOP.** A variety much grown in the South for the tops, which are used as greens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**PURPLE TOP WHITE GLOBE.****YELLOW FLESHED VARIETIES.**

**Golden Ball or Orange Jelly.** A medium sized globular Turnip. The season is early; for table. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**Yellow Stone.** A popular yellow fleshed variety of round shape, somewhat flattened. For table and market it is one of the best, being of excellent quality and a good keeper. Also good for stock. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**YELLOW ABERDEEN.** Large globe shaped yellow variety; excellent for keeping. Good for both table and stock. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**LARGE YELLOW, or AMBER GLOBE.** Large; of excellent quality, and sweet. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**SWEDES OR RUTABAGAS.**

These require a longer season than Turnips do. For table use, they usually keep better and are slightly better flavored than the Turnip. They are also an excellent crop to raise for cattle feeding, yields are heavy and the feeding value high. See page 24 for other stock roots. This crop should be sown from the 1st to the middle of July.

**Vaughan's Improved.** From stock of a purple-topped variety of the largest size, best shape, with small neck and smooth skin; good cropper and keeper. Excellent table quality. Also one of the best sorts for stock. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c. By express, 5 lbs., \$1.60.

**VASSAR.**

This is a yellow fleshed selection of the White Broadstone Rutabaga and is a very desirable variety for late Fall use. The flavor is at its best about Christmas and after. The roots are very hard and keep into the summer if stored in a good cellar. Pkt., 10c; oz., 15c; ¼ lb., 35c.

**LAINGS.** Large, early, purple top, yellow flesh. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**CARTER'S IMPERIAL.** Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**SKIRVINGS.** Large size and yellow. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**BREADSTONE.** Medium sized, white roots. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**Hurst's Monarch.** Yellow fleshed and oblong in form. Flesh solid, fine grained, and of the best flavor. For earliness, quality and weight, it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other Swede, while the large percentage of saccharine matter contained in the roots makes it very nutritious to cattle. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c.

**WHITE SWEDE.** Flesh white and solid. Large size. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**SUTTON'S CHAMPION.** Wonderful yielder, spherical yellow flesh. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c.

**VAUGHAN'S  
IMPROVED  
RUTABAGA.**



# VAUGHAN'S FLOWER SEEDS.



Partial view of our Trial Grounds at Western Springs, where we test each season thousands of samples of Flower and Vegetable Seeds, Bulbs and Plants for purity and vitality. Here we also make trials of many novelties which are annually introduced.

There is no place so small that there is not room for a few of these beautiful flowers, and with trifling expense a succession and abundance of blooms can easily be secured.

ANNUALS attain full growth from seed, flower and die in one year.

## EXPLANATION OF ABBREVIATIONS

H. A.—Hardy Annuals.  
H. H. A.—Half-hardy Annuals.  
T. A.—Tender Annuals.  
C.—Climber.

H. P.—Hardy Perennials.  
H. H. P.—Half-hardy Perennials.  
H. B.—Hardy Biennials.  
T. P.—Tender Perennial.

H. H. B.—Half-hardy Biennials.  
H. C.—Hardy Climber.  
G. P.—Greenhouse Plant.

**Abobra.** 50. *Viridiflora*. H.H.P. 15 ft. A rapid growing, climbing gourd. The scarlet fruit is not larger than a cherry and is strikingly in contrast with the dark green, finely cut foliage. Pkt., 10c.

**Abronia.** 55. *Umbellata Grandiflora*. (Sand Verbena.) H.H.A. 6 in. Very pretty trailing plants with numerous clusters of sweet-scented flowers. Rosy lilac, with white eye. Does well in poor, light soil. Pkt. 5c; ¼ oz., 15c.

**Abrus Precatorius.** 58. G. 12 ft. This wonderful Weather Plant of the West (*Weather Plant*.) India Islands is grown in gardens. Very beautiful foliage and blossoms. The position of the leaves foretells the weather, it is said. Seeds bright scarlet and black, very beautiful. Soak well in warm water before sowing. Pkt., 5c.

**Abutilon.** G.P. 3-4 ft. Useful pot plant. Handsome little bushes, covered with bell shaped flowers in the daintiest and also strongest colors, dotted and veined. Blooms readily from seed the first summer. Suitable for greenhouse and garden.

62. *Royal Prize Mixture*. Pkt., 15c.

63. *Abutilon*. Good mixed. Pkt., 10c.

**Acacia.** 70. *Lophanta Speciosa*. G.P. 6 ft. Handsome greenhouse shrub, fine for out-doors in summer. Flowers, yellow, foliage finely cut. Soak seed in hot water before sowing. Pkt., 10c.

71. *Acacia*. Many sorts, mixed. Pkt., 5c; ¼ oz., 15c.

**Acanthus.** H.P. 3 ft. Handsome decorative plant, with broad foliage and of stately effect, either for planting as single specimens on the lawn or in the border, or for grouping with other plants for sub-tropical effect; flowers August till frost.

76. *Mollis*. Deeply-toothed heart-shaped leaves, 2 ft. by 1 ft.; flowers purplish rose. Pkt., 10c.

77. *Latifolius*. A variety of the above with larger, heavier foliage, more robust in every way; an interesting, handsome plant. Pkt., 10c.

**Achillea.** 82. "The Pearl." H.P. 2 ft. From spring till frost is covered with (Yarrow.) heads of purest white double flowers. A grand plant for cemetery decoration and cutflowers. Sow seed early. Pkt., 10c; 1-16 oz., 50c.

BIENNIALS grow from seed one year, bloom and die the next, though some varieties bloom the first season when sown early.

PERENNIALS last for several years, blooming annually after the first season, though some varieties will bloom the first season if sown early.

**Aconitum.** 86. *Napellus*. H.P. 3 ft. Long spikes of curiously-shaped blue (*Monk's Hood* and white flowers. Plant in shrubbery or in shady corners of the garden. Seed germinates slowly. Pkt., 5c; ¼ oz., 25c.

87. *A. Napellus*, white. Pkt., 10c.

**Acroclinium.** H.H.A. 1 ft. A pretty "Everlasting," bearing lovely white or (*Everlasting*.) rosy-pink flowers, which, when cut in the bud state, can be dried and used in winter bouquets. Fine for mixed borders.

92. *Pink*. 93. *White*. 94. *Mixed*, each, pkt., 5c; ¼ oz., 10c.

**Adenophora Potanini.** 100. H.P. 18 in. Lovely new shrubby Campanulacea, producing its elegant and slender flower spikes during July and August. They are garnished with numerous large, bell-shaped flowers, 1½ in. in diameter and of a beautiful light blue color. Pkt., 15c.

**Adlumia.** 105. *Cirrrosa*. H.B.C. 15 ft. A graceful hardy climber. The (*Allegheny* feathery foliage is like the Maidenhair Fern, the flowers are tube-*Vine*.) shaped, delicate rose, pink and white, and cover the plant. For covering trellises, stumps of trees, etc., it is very desirable. Pkt., 10c.

**Adonis.** 108. *Flos Adonis* (Pheasant's Eye). H.A. 1 ft. Showy and of easy culture, with pretty, fine-cut foliage, and lasting a long time in bloom; dark crimson flowers, with a light center. Pkt., 5c; oz., 20c.

109. *A. Autumnalis*. H.A. 1 ft. Scarlet. Pkt., 5c; oz., 20c.

110. *A. Vernalis*. H.P.—18 in. Bright yellow. Pkt., 5c; ½ oz., 15c.

**Agapanthus.** 115. *Umbellatus*. T.P. 1 ft. African Lily, beautiful blue flowers. Pkt., 10c.

**Agatheia.** 120. *Coelestis*. T.P. 1 ft. Identical with Paris Daisy but sky- (*Blue* blue with a yellow disc; flowers all the year. Also fine winter *Daisy*.) bloomer. Pkt., 10c.

**Agrostemma.** H.P. 1-2 ft. Very attractive, free-flowering, producing bright (*Rose Campion*.) colored flowers on long, slender stems like a single pink, blooms the first season; fine for cutting.

135. *Coronaria*. Mixed varieties. H.P. Pkt., 5c; ¼ oz., 15c; oz., 25c.

136. *Flos Jovis*. H.P. 1 ft. Beautiful pink. Pkt., 5c; ½ oz., 15c; oz., 25c.

138. *Coeli Rosa*. H.A. 1 ft. Rose of Heaven. Pkt., 5c; ¼ oz., 15c; oz., 25c.

## AGERATUM.

H.A. One of the best summer-blooming plants grown from seeds. They are rapid growers, early and constant bloomers. During the hot dry summer months their bright flowers are produced in the greatest profusion. Set the dwarf sorts 10 in. apart and they soon make a low mass of charming blue or white.

122. *Lasseauxi*. T.P. 3 ft. The plants grow vigorously and produce their soft pink flowers the entire summer. A splendid cut-flower. Pkt., 10c.

123. *Little Blue Star*. 4-5 in. A handsome new variety, different from all other dwarf sorts. The tiny bushy plants are filled with clusters of flowers of light blue, with dark red center, changing to pure light blue. The plants are literally covered with flowers, we have counted over 200 on a single plant. Pkt., 15c.

124. *Princess Victoria Louise*. 6 in. In bloom all summer. This is the prettiest of the Dwarf Ageratums. The plants grow in dense bushes. Flowers are of the loveliest sky-blue with white center. This is a splendid plant for borders, ribbon bedding, etc., and if a row of our Little Gem Alyssum is sown in front of it there is a lovely combination of white and blue. Pkt., 10c; 3 for 25c.

125. *Blue Perfection*. 9 in. Like the Imperial Dwarf Blue, but far surpasses it by its deep amethyst blue flowers. It is the darkest of all that can be grown from seed. Pkt., 10c; ¼ oz., 25c.

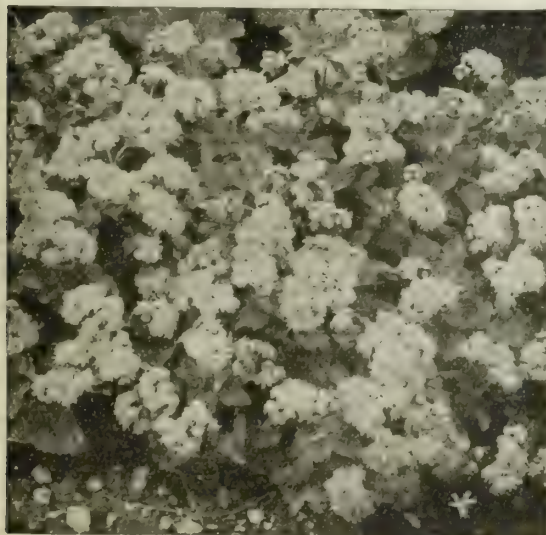
126. *Mexicanum*. 18 in. Blue. Pkt., 5c; ¼ oz., 10c.

127. *Mexicanum Album*. 18 in. White. Pkt., 5c; ¼ oz., 10c.

128. *Dwarf Blue*. 6 in. Good plant for ribbon borders. Pkt., 5c; ½ oz., 15c.

129. *Dwarf White*. Like above except in color. Pkt., 5c; ½ oz., 15c.

132. *Ageratum*. Mixed. Pkt. 5c., ¼ oz. 15c.



Ageratum.

Customer Wins First Prize, Porch Gardens, 4th District, Tribune Garden Contest, 1908.

"Our Asters, Phlox, Verbenas and Pansies are beautiful—the Seeds we secured from Vaughan's Seed Store—we had unusual success this year."

Mrs. F. G. Culver, Chicago.





### ALYSSUM, VAUGHAN'S LITTLE GEM.

160. This should really be called the "Snow White Carpet Plant," for the plants, which are only a few inches high, grow so dense and are so completely covered with snow-white blossoms, they create the impression of a beautiful carpet spread over the ground. We know of no other white flower which is so particularly well adapted to borders, ribbons, etc., as our "Little Gem" Alyssum. The plants commence to bloom when quite small, and will flower all summer long till late in the fall. This habit with its fragrance makes it indispensable. Pkt., 5c; ¼ oz., 15c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.25.



### SWEET ALYSSUM.

161. This is one of the finest hardy annuals we have, and is beloved by many on account of its modest blossoms. It is pleasantly fragrant, and just the thing for personal adornment or for the breakfast table. It begins to blossom early in the season and blooms until fall. It is a neat, thrifty, healthy grower and should be cultivated by every one who wants an all-around good plant. Sow the seed wherever they are to remain. If too thick, thin out. To prevent sowing too thickly mix seed with sand before sowing. Pkt., 5c; ½ oz., 15c; (enough for a row 40 ft. long); oz., 25c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$2.25.

**Hardy Alyssum.** 164. **Golden Saxatile.** H.P. 12 in. Flowers brilliant, (Basket of Gold,) golden yellow, completely hiding the foliage. Desirable for rock work and quite showy in masses. Blooms in spring. Pkt., 5c; ¼ oz., 15c.

**Alonsoa.** 150. **Warscewiczii.** H.H.A. 2 ft. A fine plant, suited for bedding; with Chorizema-like orange-scarlet flowers. A sunny spot should be chosen; fine for cutting. Pkt., 10c.

**Ammobium.** 194. 30 in. This pretty white annual Everlasting should be in every garden. If sown in April or May the plants bloom freely in August. Grows in sandy soil. Flowers white with a yellow disc. Pkt., 5c; ½ oz. 15c.

**Ampelopsis.** 198. **Veitchii.** H.P. The well known Boston Ivy. (See description on plant pages.) It climbs the smoothest walls. Perfectly hardy. Pkt., 5c; ½ oz., 15c; oz., 25c.

### AMARANTHUS.

T.A. Brilliantly foliaged annuals, some of the varieties bearing curious racemes of flowers. All are useful in borders of tall plants, among shrubs, or for the center of large beds. Do not grow them too closely together, but give them sufficient room to develop their full beauty.

170. **Caudatus.** (Love Lies Bleeding.) 3 ft. Blood-red; drooping. Pkt., 5c.

172. **Salicifolius.** (Fountain Plant.) 3 ft. Graceful red and yellow foliage, of drooping habit. Pkt., 5c.

173. **Sunrise.** 2 ft. A most beautiful plant; the leaves are long and narrow, the upper ones of the brightest glowing crimson. Pkt., 10c.

174. **Splendens.** The finest of its class, with leaves of the most brilliant colors. The inner foliage is of Blackish bronze, tipped with green, while the outer foliage is bright scarlet and gold. The colors are especially brilliant if grown in rather poor soil. Pkt., 5c.

175. **Tricolor.** (Joseph's Coat.) 2½ ft. Scarlet, green and yellow. Pkt., 5c.

182. **Amaranthus.** **Fine Mixture.** All the above and many others. Pkt., 5c; ¼ oz., 10c; oz., 25c.

**Amaryllis Vitatta Hybrids.** 186. A bulbous plant, native of South America, easily raised from seed and blooms the second year. Sow seeds in light, sandy loam in warm, damp situation. Pot off the young plants as soon as they are an inch or two high, and shift frequently until they arrive at flowering size. Flower spikes usually 2 to 3 ft. long. Pkt. (25 seeds), 25c.

**Ambrosia.** 190. H.A. Very curious, with long spiral stems, bearing an abundance of small round greenish-yellow buds and blossoms, which are exceedingly fragrant. It is desirable as a plant for its fragrant foliage, and for making up into bouquets and other floral work, its long, beautiful, fringed spirals of lovely green being unsurpassed. Sow early in open ground. Pkt., 10c.



### GIANT FRAGRANT SNAPDRAGONS.

(*Antirrhinum*.)

18 in. The flowers of this new strain are of very large size, are very fragrant, and are produced on immense long spikes, which render them extremely well adapted for flowers. They are easily raised from seeds, in any rich sunny bed. Spring seedlings bloom by mid-summer, and if the flowers are cut freely the flowering will be continuous till fall. If intended for winter flowering in the house cut them well back in September. The Snapdragon, like most perennials and biennials which bloom the first year, is treated as an annual and sown every year.

240. **Coral Red.**

241. **Day Break,** pink.

242. **Lovely,** white, pink.

243. **Brilliant,** variegated.

244. **Crescia,** scarlet.

252. **Queen Victoria.** 3 ft. The best of the tall-growing white Snapdragons. The plants produce beautiful, large, white flowers on long slender stems the entire season. Pkt., 10c. Each of above, pkt., 10c; ½ oz., 15c.

**SPECIAL OFFER NO. 57.** One pkt., each of above 10 kinds. 75c.

260. **Vaughan's "Special Mixture" of Giant Snapdragons.**

Includes all above and many others. Pkt., 10c; 3 for 25c;

½ oz., 35c; oz., \$1.00.

265. **Aurora.** 18 in. A very striking new color, cinnabar-scarlet with a white throat, producing a most pleasing and lively contrast. Pkt., 10c.

268. **Snow Queen.** 8 in. A very pretty, very dwarf sort, splendid for pots and for edging. The plants produce beautiful white flowers all summer. Pkt., 10c.

270. **Fireball.** 15 in. The color of this new Snapdragon is of remarkable brilliancy, the most dazzling scarlet. The plants flower all summer and fall. Pkt., 10c.

272. **Queen of the North.** 12 in. The plants grow into handsome, regular bushes covered with large white flowers, deliciously sweet. For bedding and pot culture. Pkt., 10c., ½ oz. 15c.

280. **Tall Sorts.** Mixed pkt., 5c; ½ oz., 15c; oz., 40c.

282. **New Double Tricolor,** see novelties.

283. **Dwarf Sorts.** 8 in. Mixed pkt., 5c; ¼ oz., 20c.

**Anagallis.** 200. **Grandiflora Coerulea.** H.A. 6 in. Bushy garden annual, rich blue Browallia-like flowers. 1 in. across. Pkt., 10c.

201. **Mixed Colors.** Pkt., 5c; ½ oz., 10c.

**Anchusa.** 205. **Capensis.** H.H.A. 2 ft. A rare and little known annual of great beauty which will thrive in a shady, out-of-the-way place, where scarcely anything else will grow. It resembles a large, forget-me-not. Color a shade of deep blue. Blooms all summer. Pkt., 5c; ½ oz., 20c.

**Anemone.** H.P. Very pleasing, hardy plants for the herbaceous border. Fine large flowers; few plants compare with them in beauty; fine for bouquets.

210. **Coronaria.** Mixed colors. (Poppy Anemone.) Pkt., 5c.

211. **Pulsatilla.** 10 in. Blooms in April or May. Flowers violet or purple, fine for rockery. Pkt., 10c.

212. **Sylvestris.** One of the most satisfactory for the border. Flowers large, cup-shaped, pure white. Pkt. 10c.

215. **St. Brigid's Strain, Double and Single.** 12 in. A beautiful selection of the Coronaria, comprising semi-double and double flowers in a wonderful array of colors; seed sown in midsummer produces flowering plants the following spring. Mixed colors. Pkt. 15c.

**Angelonia.** 220. **Grandiflora Alba.** 20 in. Valuable cut-flower. These plants produce large, sweet-scented, pure white flowers in abundance. Pkt., 10c.

**Anthemis.** 225. **Tinctoria Kelwayi.** H.P. 2 ft. A most satisfactory plant-bearing all summer daisy-like golden-yellow blossoms; excellent for cutting. Pkt. 10c.







*Aquilegia-Columbine.*

## AQUILEGIA = COLUMBINE.

H.P. 12-24 in. Charming hardy plants, bearing in countless numbers through May and June exquisite clear blue, white, rose, yellow, purple and striped blossoms. For planting in permanent borders or edges of shrubbery this old-fashioned favorite is one of the best of all. They thrive well with ordinary garden culture, but such sorts as *A. cœrulea* and *A. chrysantha* do best in partially shaded, well-drained nooks. Few hardy perennials are so easily grown from seed.

- 310. *Canadensis*. 18 in. Scarlet and yellow; June-July. Pkt., 5c; ½ oz., 15c.
- 312. *Chrysantha*. 3 ft. Golden yellow, long-spurred; June-Aug. Pkt., 10c; ½ oz., 15c.
- 313. *Chrysantha*. Fl. Pl. New; double golden yellow flowers. Pkt., 15c.
- 314. *Chrysantha Grandiflora Alba*. (White Spurred Columbine). Large flowering, pure white sort, with fine long spurs. A beautiful plant for pots. Pkt., 10c; ½ oz., 30c.
- 320. *Cœrulea*. (Rocky Mt. Columbine). 3 ft. One of the most beautiful of our native American flowers. Sepals deep blue, petals white; June-July. Pkt., 10c; ½ oz., 25c.
- 321. *Cœrulea Hybrida*. Large flowered long-spur hybrid. Pkt., 10c; ½ oz., 30c.
- 322. *Cœrulea Rosea*. New pink; (see novelties). Pkt., 25c.
- 326. *Glandulosa Vera*. 2 ft. Sometimes has 50 to 80 blossoms over 3 inches in diameter, of the deepest blue, with pure white corolla; May-June. Pkt., 10c.

- 327. *Helena*. 2 ft. A cross between *A. flabellata* Nana and *A. cœrulea*, in foliage resembling the latter. The flower stalks bear large flowers of rich deep blue with a white corolla; May. Pkt., 15c.
- 328. *Nivea Grandiflora*. 15 in. Large, pure white; May Pkt., 5c.
- 329. *Vervaeckiana Atrovioleacea Plenissima*. Double violet. Pkt., 5c; ½ oz., 10c.
- 333. *Vulgaris Alba Plena*. 2 ft. Double white, lasting. Fine for cut-flower and the wild garden; May-July. Pkt., 5c; ½ oz., 20c.
- 334. *Vulgaris Single Mixed*. Many varieties. Pkt., 5c; ½ oz., 10c.
- 335. *Vulgaris Double Mixed*. Pkt., 10c; ½ oz., 15c.
- 340. **Vaughan's Special Mixture Columbines.**  
Includes all the above named varieties and will produce a magnificent bed of these desirable hardy plants. Pkt., 25c.



**Arabis Alpina Grandiflora Superba.** 350. H.P. Large clusters of Verbena-like flowers of the purest white contrasting pleasingly with the rich dark green of the foliage. Of special value for early Spring blooming and handsome cut-flower. Pkt., 15c.

**Arabis Alpina.** 351. 6 in. One of the earliest flowers to bloom in the spring. The blossoms resemble Sweet Alyssum, are deliciously fragrant and completely cover the plant. Fine for rock work. It should be in every garden. Pkt., 10c; ½ oz., 25c; oz., 80c.

**Arctotis Grandis.** 355. H.H.A. 30 in. A handsome new annual from Africa, (*African Lilac Daisy*.) growing luxuriantly and forming profusely branched bushes. Its flower heads, borne on long stems are 3 in. across, pure white on the upper surface, reverse of petals pale lilac. Pkt., 10c; 3 for 25c.

**Aristolochia Siphon.** 360. H.P. 30 ft. A hardy perennial climber, of rapid, (*Dutchman's Pipe Vine*.) luxuriant growth with large, heart-shaped leaves. Pkt. (30 seeds), 10c.

**Armeria.** 365. *Formosa*. H.P. 15 in. A very pretty edging plant, bearing large tufts of rosy-pink flowers nearly all summer. Pkt., 10c. (*Sea Pink*.)

366. *Maritima*, purple. Pkt., 5c.

**Artemisia.** 370. *Annua*. Fine ornamental foliage plant. Pkt., 5c.

371. *Argentea*. Beautiful silvery leaves. Perennial. Pkt., 10c.

**Asclepias.** 376. *Tuberosa*. H.P. 2 ft. One of the showiest of our native perennials and producing from July till frost compact umbels of brilliant orange. Pkt., 10c.

377 *Mixed*, New Hybrids selected by Luther Burbank. Pkt 15c.

**Asparagus Plumosus Nanus.** 384. *Lace Fern*. T.P. Most popular house plant to-day. We sell thousands to florists who grow the pot plants. You can grow it for yourselves and neighbors. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. Price, Vaughan's Greenhouse grown seed, pkt., (7 seeds), 10c; 25 seeds, 35c; 50 seeds, 60c; 100 seeds, \$1.00.

**Asparagus Sprengeri.** 385. T.P. 4 to 6 ft. The fronds are a little coarser, longer and drooping. A No. 1 for hanging baskets. Pkt. (15 seeds), 10c.

**Asperula.** 390. *Odorata*. H.P. 6 in. Grown for its fragrant leaves and stems, which dried, have a sweet odor, and are used for putting among (*Sweet Woodruff*.) clothes, etc.; also used to flavor the "Maitrank," or May wine. Best grown among shrubbery, in semi-shaded positions where it can remain undisturbed; flowers white. Pkt., 10c.

**Auricula.** 670. H.P. 6 in. A well-known favorite of great beauty; Seed saved from splendid mixed varieties. Pkt., 10c. (*Primula Auricula*.)

## VAUGHAN'S DWARF ASTERS.

### VAUGHAN'S SNOWBALL.

400. The Best Dwarf White Aster. Beautiful shape of the snow-white flowers and the free flowering habit of the plants are unequalled in any other dwarf aster. Pkt., 15c; 2 for 25c.

### PINK POMPONE.

401. The Best Dwarf Pink Aster. In every respect like the Snowball, but in color the most brilliant satiny rose, turning lighter towards the edges of the flowers. A very pretty companion to the above. Pkt., 15c; 2 for 25c; ½ oz., 35c.

**SPECIAL OFFER NO 59.** One pkt. each Snowball and Pink Pompon Aster for 20c.

**Dwarf Queen.** 10 in. This splendid Aster makes low compact bushy plants; which produces a great number of double, extra large flowers like the Victoria Aster, 3 in. across. Excellent for bedding and pots.

405. White. 406. Crimson. 407. Pink.  
408. Dark Blue. 409. Light Blue. 410. Brilliant Rose.

Each, per pkt., 10c; any 3 for 25c.

414. *Dwarf Queen Aster*. Mixture of all colors. Pkt., 10c; ½ oz., 40c.

**Dwarf Chrysanthemum Flowered.** 10 in. Of very compact growth; ¾ in. flowers, free flowering and later than other varieties, therefore valuable for succession.

- 418. Snow White. 423. White turning to Azure Blue.
- 419. Brilliant Rose. 424. White turning to Pink.
- 420. Dark Crimson. 425. Light Blue and White.
- 421. Fiery Scarlet. 426. Light Blue.
- 422. Dark Blue. 427. Peach Blossom.

Each of above, Pkt., 10c; any 3 for 25c; any 6 for 45c; ½ oz., 30c.

432. *Many Colors Mixed*. Pkt., 5c; ½ oz., 25c.



*Dwarf Queen Aster.*

### DWARF PIGMY.

435. 8 in. Pretty little plants of handsome form, completely covered with flowers, each plant forming a neat bouquet. The flowers are of the most distinct and delicate shades. Many colors mixed. Pkt., 5c; ½ oz., 20c.

### VAUGHAN'S LITTLE GEM.

536. 6 in. One of the prettiest Asters we know. The neat bushes are covered with flowers of the most charming combination of pink and white. A clump or row of them will form a pleasing spot in the garden. Pkt., 10c.

### VAUGHAN'S FIREBALL.

438. 10 in. The most brilliant Dwarf Aster. It forms a neat well shaped bush covered with beautifully shaped double flowers of the brightest scarlet. Very effective for bedding and fine in pots. Pkt., 10c; extra large pkt., 25c; ½ oz., 40c.

**Gloria or Buttonhole.** 440. 10 in. Very branching and free blooming. The flowers, 1½ inch in diameter are pure white, with a beautiful scarlet margin. It is the prettiest Aster we know for buttonhole wear or small vases. The flowers last a day in the hottest weather if worn in the buttonhole. Pkt., 15c; 2 for 25c.

**Dwarf Comet, or Poodle.** Handsome and very distinct, resembling the Japanese Chrysanthemum in shape of flowers, the petals are very long and beautifully curled, are of a lovely delicate pink bordered with white, bright pink, light blue and other colors.

- 444. Peach Blossom. 447. Pink Bordered White. 450. Light Blue.
- 445. White. 448. Light Blue and White. 451. Scarlet.
- 446. Rose. 449. Dark Blue. 452. Bridesmaid.

Any of the above, per pkt., 10c; any 3 for 25c; ½ oz., 25c.

456. *Many Colors Mixed*. Pkt., 10c; 3 for 20c; ½ oz., 25c.

**DWARF ASTERS.** 460. *Many Classes Mixed*. ½ oz., 20c; large pkt., 5c.

## VAUGHAN'S EXCELSIOR MIXTURE OF DWARF ASTERS.

465. Many of our customers may find it difficult to choose among the above strains of Dwarf Asters, and where exact heights are not required we recommend the planting of our **Excelsior Mixture**. It is comprised of the most distinct and desirable colors of the different classes of Dwarf Asters and many others not listed above, especially selected for this mixture, insuring satisfaction for the grower. Pkt. (250 seeds), 15c; extra large pkt., 25c; ½ oz., 50c.





# VAUGHAN'S ASTERS

SEE ALSO NOVELTY PAGES

Asters are of very easy culture. The seed can be sown in the open ground in May and the plants will then bloom in September and October. For earlier blooming, seed should be sown in March or April, in cold frame or hot bed, or boxes in the house. Seed should not be covered more than  $\frac{1}{4}$  in.

Asters must not be planted in freshly manured soil nor in soil that has been planted with Asters for two or three years previous. Unslacked lime or fresh wood ashes are beneficial if stirred in the soil a little before the planting.

## QUEEN OF THE MARKET.

The best early Aster, usually in full bloom two weeks before most other sorts begin to blossom. Of graceful, spreading habit.

- |  |                 |              |
|--|-----------------|--------------|
| 470 Crimson.   | 472 Light Blue. | 474 Scarlet. |
| 471 Dark Blue.   | 473 Pink.       | 475 White.   |
| Each, per pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 85c. |                 |              |
- 480 Queen of the Market, many colors, mixed, pkt. 10c;  $\frac{1}{4}$  oz., 25c; oz., 75c.

## VAUGHAN'S IMPROVED VICTORIA.

Undoubtedly one of the most handsome Asters in cultivation, and we have an excellent strain of it. Flowers large, perfectly double, globular and imbricated; plants are of fine pyramidal form.

- |                                   |  |
|-----------------------------------|--|
| 485 Snow White.                   | 494 Dark Blue and White.                       |
| 486 White, turning to Azure Blue. | 495 Bright Pink.                               |
| 487 Lavender.                     | 496 Bright Rose, tinged White.                 |
| 488 Apple Blossom.                | 497 Crimson and White.                         |
| 489 Dark Crimson.                 | 498 Indigo Blue on White Ground.               |
| 490 Light Blue.                   | 499 Vermillion, shaded White.                  |
| 491 Bright Scarlet.               | 500 Vermillion Scarlet, new.                   |
| 492 Deep Blood-Red.               | 501 German Prince, see Novelties.              |
| 493 Dark Blue.                    | 502 Miss Roosevelt, primrose passing to flesh. |
- Each of the above, pkt. 10c; any 3 for 25c; per  $\frac{1}{4}$  oz., 50c.
- 505 Many colors, finest mixed. Pkt. 10c;  $\frac{1}{4}$  oz., 35c;  $\frac{1}{2}$  oz., 60c.
- 506 Imported Collection. 12 colors, 60c. 507 Imported Collection. 6 colors, 30c.

## VAUGHAN'S BEAUTY.

510 A splendid sort, resembling Victoria Aster in shape and size of flowers. The color is the brightest red imaginable, with a satiny gloss. Pkt., 10c.

## PEONY-FLOWERED ASTERS.

One of the handsomest sorts; flowers are borne on long, wiry stems, are very large, from 3 to 4 inches in diameter, very double, and in shape like a Peony.

- |                                 |   |
|---------------------------------|---|
| 515 Pure White.                 | 523 Brilliant Scarlet, striking, beautiful color. |
| 516 White and Blue-Black.       | 524 Sky Blue, tipped White.                       |
| 517 Brilliant Rose.             | 525 Daybreak Pink; lovely.                        |
| 518 Gravelotte, deep blood red. | 526 Crimson and White.                            |
| 519 Pink and White.             | 527 Lavender.                                     |
| 520 Dark Blue.                  | 528 Light Blue and White.                         |
| 521 Light Blue.                 | 529 Amethyst, a fine color.                       |
| 522 Shining Blue-Black.         | 530 Sunlight, new, yellow.                        |
- Each of the above, per pkt., 10c; any 3 for 25c;  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 45c.
- 535 Mixed Colors, pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., \$1.25.
- 536 Imported Collection, 6 colors, 25c. 537 Imported Collection, 12 colors, 50c.

## GIANT COMET, OR POODLE ASTERS.

This class is one of the handsomest of the tall-growing sorts. The plants bear their immense flowers in great abundance. These flowers, with their long, twisted petals, strikingly resemble Japanese Chrysanthemums.

- |                       |                     |                     |
|-----------------------|---------------------|---------------------|
| 542 White, large.     | 545 Light Blue.     | 548 Bright Crimson. |
| 543 Salmon Rose, new. | 546 Dark Blue.      | 549 Lavender.       |
| 544 Rose.             | 547 Bright Carmine. | 550 Sulphur Yellow. |
- 551 The Bride. The flowers, at first pure white, change to a lovely pink and finally to a beautiful rose tint; a most charming variety for cut flowers.
- 552 Queen of Spain. Primrose turning to blush, a very desirable sort.
- Each of above, pkt., 10c; any 3 for 25c; any 6, 45c; by weight,  $\frac{1}{4}$  oz., 25c;  $\frac{1}{2}$  oz., 40c.
- 562 Giant Comet, Mixed. The above colors and others. Pkt., 10c;  $\frac{1}{4}$  oz., 20c; oz., \$1.25.

## HOHENZOLLERN ASTER.

The finest type of the Giant Comet, or Ostrich Feather type of Asters. Much larger than the Giant Comet, the petal longer, more curled and twisted, and produced in greater abundance. Borne on long stems they make cut flowers, par excellence.

- 570 White. 571 Crimson. 572 Pink. 573 Brilliant Rose. 574 Light Blue. 575 Silvery Lilac.
- Each, pkt., 10c;  $\frac{1}{4}$  oz., 30c; 1 pkt. each of the six for 45c.
- 580 Hohenzollern Aster, Mixed. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

## EARLY FLOWERING HOHENZOLLERN or "EARLY WONDER."

Like the above as to habit and shape of flowers, and about twice as large as the Queen of the Market, while just as early as that variety. One of our German seed grower friends writes us: "This is the most perfect of all Early Asters up to date."

- 584 Pure White. 585 Pink. Each, pkt., 10c; 3 for 25c.

CREGO ASTER, see novelties.

## ELEGANCE ASTER.

The Best Single Aster. The plants are strong and vigorous, and of handsome pyramidal habit, very free in growth, and produce their beautiful flowers on long, slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last for a week when cut. The petals are broad and wavy, resembling one of the Single Japanese Chrysanthemums.

- 651 White. 652 Lavender. 653 Dark Blue.
- Each, pkt., 10c; one pkt., each of the three for 25c.

## TALL SORTS.



Queen of the Market.

## NEW WHITE UNICUM ASTER.

586 This grand new Aster, 2 ft. high, is of vigorous branching habit, differs essentially in form of flowers from all other large flowering classes. The flowers are composed of long narrowly-channelled petals regularly expanded in all directions, presenting beautiful loose flowers of wonderful form, 5 to 6 inches in diameter. Splendid variety for cutting. Pkt., 15c; 2 pkts., 25c.

## HARDY ALPINE ASTERS.

654 Sow the seed early, and they will bloom profusely during the entire fall, and make plants that will bear hundreds and hundreds of flowers year after year; they are perfectly hardy. The flowers are large and very bright and beautiful; many are deep blue with yellow center. This is a very superior mixture, and contains at least 50 different kinds. Pkt., 15c.

For Other New Varieties  
See Novelty Pages.



HERCULES  
ASTER  
(WHITE)

587 The plants throw very strong stems, 15-20 in., which begin branching about 4 in. from ground and bear at the summit the main central flower, while the side shoots carry 4 to 6 secondary blooms. Flowers borne on remarkably strong stalks, pure white, long petals and attain a diameter of six inches. Pkt., 15c.

Type of Giant Comet and  
Hohenzollern Asters.

China Asters can be sown in the open in June or July and will produce fine fall blooms



## VAUGHAN'S GIANT BRANCHING ASTERS.

24 in. Beautiful Asters for cut-flowers. Quite different in several respects from any Aster known. The branching habit is accompanied with great vigor of growth and profusion of bloom. The flowers are very large, very double, borne on long stiff stems, and the colors are clear and handsome.

591. Light Blue. 592. Flesh Pink, (Mary Semple). 593. White. 594. Rose Pink. 595. Lavendar. 596. Purple. 597. Crimson.

Pkt. (100 seeds), 10c; 1 pkt., each of the 7 for 50c. Per ½ oz., each, 25c; oz., \$1.00.

600. GIANT BRANCHING ASTERS. Mixed. Pkt. (200 seeds), 10c; ½ oz., 20c; ¼ oz., 35c; oz., 80c.

### VAUGHAN'S UPRIGHT BRANCHING ASTERS.

This type grows, as its name indicates, upright, not spreading, and therefore admits of close planting. Flowers are very large and double, and the stems up to 20 inches long.

602. White. 603. Rose Pink. Each, pkt., 10c; ½ oz., 25c.

### THE "CARLSON," OR "INVINCIBLE" ASTER.

The Early-Flowering Branching Aster.

A selection of the Pæony Flowered type. This Aster is one of the favorites in the Chicago cut-flower market. The flowers are large and firm; the stems long and stiff, and the colors are decided and pleasing. The plants grow about 24 in. high and come in bloom about 10 days before the Giant Branching Asters.

605. White. 606. Rose Pink. 607. Lavender. 608. Violet Blue. 609. Daybreak Pink. Each pkt., 10c; any 3 for 25c; per ½ oz., 25c; oz., \$1.25.

615. The above colors mixed. Pkt., 10c; ½ oz., 20c; oz., \$1.00.

### VAUGHAN'S JUNE-FLOWERING ASTER.

619. This new Aster is larger, better and earlier than Queen of the Market, white, sown and planted alongside of the latter it blooms fully one week earlier. The flowers are of good size and form, very double and pure white. They are borne on stems from 18 to 20 inches in length. They are splendid for beds or borders, sown where they are to stand. They are continuous bloomers; when the flowers are cut they continue to send out new growths and flowers. Pkt., 15c; ½ oz., 35c.

**Violet King.** 620. The habit is similar to the branching Aster, vigorous in growth with long stiff stems. In form the flower is entirely new and distinct; petals somewhat resemble the Quilled varieties, but are much larger and broader, those in the center being fantastically twisted, curled and incurved. The bloom is round and full, many measuring from 4 to 5 inches. Its color is a soft violet-lilac. It comes into bloom about ten days before the Branching Aster. Pkt., 10c; ½ oz., 25c.

**Lavender Gem.** 622. When first opened the flower is an exquisite shade of delicate lavender, deepening with age. The flower is always full double. The feathery effect of the Ostrich-feathered type, to which it belongs, is enhanced by the fact that it bears a large proportion of long, partly tubular forets, that are irregularly cut and slashed, so that the flower looks like a ragged Chrysanthemum. Pkt., 15c.

**Early Snowdrift.** 624. Blooming season, midsummer, being a few days in advance of Queen of the Market, while the flower is not surpassed in beauty by any of the later varieties. The entire energy of the plant seems given to the production of 12 to 20 long, slender, upright stems, crowned with immense feathery flowers. The long, recurved petals give the flowers an exceedingly graceful effect, Pkt., 15c.

**Royal Purple.** 625. A new strain of branching Aster, growing about 15 in. high. Its habit of growth is entirely distinct; the stems growing directly from the ground, and not on side shoots from the main stem like other varieties. A medium early bloomer continuing in flower until late in the fall; in fact it holds its blooms longer than any other variety. The flowers are large and full; petals flat and somewhat incurved; color bright purple. Pkt., 10c.

**Japanese Giant, "Tassel Aster."** 628. Entirely distinct from all other Asters. The flowers are of immense size, measuring from 5 to 6 inches in diameter, with long petals curiously twisted. Mixed colors. Pkt. (150 seeds), 10c; 3 pkts. for 25c.

**"Daybreak."** 630. This beautiful Aster is one of those rare gems that has come to stay. The flowers are round, large and full, on long stems; color a charming sea-shell pink; early and free. Pkt., 10c; ½ oz., 25c.

**Double Quilled Asters.** 635. These are great favorites on account of their free blooming qualities, and the low price of the seed recommends them to many who want a nice Aster. Mixed Colors. Pkt., 5c; ½ oz., 15c; oz., 50c.

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Yours very truly,

A. A. SING.



Vaughan's Giant Branching Aster.



Vaughan's June-Flowering Aster.

## VAUGHAN'S EXCELSIOR MIXTURE TALL ASTERS.

300—This is a mixture of the most beautiful, striking and distinct colors of all the tall growing Asters (on this and the preceding page), selected from the cream of the Truffaut's, Victoria, Crown, Giant Comet, Hohenzollern, Ostrich Plume, Carlson, Branching and other desirable sorts, and includes many kinds specially purchased for this mixture, also the kinds listed in the Novelties. This is the finest mixture of Tall Asters in existence and the most critical lover of this flower will be astonished at the wide range of colors and varieties given in this truly excelsior strain. Per pkt. (250 seeds), 15c; extra large pkt., 25c; ½ oz., 50c.





## Vaughan's Balsams.

Balsams like hot sun, rich soil and plenty of water. For perfect development the plants should be set from 12 to 18 inches apart. Only the best quality seed of this should be sown. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double.

682. **Alba Perfecta.** Extremely double, very large, and of the true Camellia shape, in fact, might be called White Miniature Camellias. Pkt., 10c; 3 for 25c.
683. **Prince Bismarck.** The coloring is a very bright and pleasing shade of salmon pink, rich and glowing. Pkt., 10c.
684. **Double Blood-Red** 688. **Double Flesh** 692. **Double Scarlet**
685. " **Crimson** 689. " **Lemon** 693. " **Satin Rose**
686. " " **Spotted** 690. " **Lilac** 694. " **Solferino**
687. " **Dark Blue** 691. " **Pink** striped lilac
- Any of above, Pkt., 5c; ½ oz., 15c. white and scarlet.
705. **Double Rose and Camellia-Flowered Balsams**, extra choice mixed. Pkt., 5c; ½ oz., 15c.
709. **Dwarf Balsams.** 8 in. These are very useful for borders; the plants make perfect little bushes with flowers that are double and semi-double and the colors very pretty and pleasing. Pkt., 5c; ½ oz., 15c.

### VAUGHAN'S INVINCIBLE BALSAMS.

710. Like all of "Vaughan's Special Mixtures" this is made up from separate colors and choice strains and includes everything that is desirable in Balsams. Pkt., (200 seeds) 15c; 2 pkts. for 25c.



- Baby or Fairy Roses.** 679. H.P. 15 in. The plants bloom in three months after sowing, so that seed sown in February in the house may be had in bloom in June in the open ground, where they continue to bloom throughout the season, giving about an equal proportion of single, semi-double and double flowers borne in clusters. The plants are dwarf and bushy; and are very pretty in beds and borders. They are hardy and may be treated as annuals. Seed needs soaking in warm water for 48 hours before sowing. Pkt., (35 seeds), 10c; 3 for 25c.

- Bachelor's Button.** (See Centaurea.)

- Balloon Vine.** 680. T.A. 10 ft. A rapid growing climber, thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous capsules containing the seed. It is sometimes called "Love-in-a-Puff." Flowers white. Pkt., 5c; oz., 20c.

- Balsam Apple and Pear.** 720. T.A. 10 ft. Very curious, rapid and dense climbers, with ornamental foliage and golden yellow fruit, which opens when ripe, showing the seed and blood-red inside. Apple and Pear mixed. Pkt., 5c.

- Baptisia.** 725. *Australis*. (False Indigo.) H.P. 2 ft. Beautiful light blue flower. Midsummer. Pkt., 5c; oz., 30c.

- Bartonia Aurea.** 728. T.A. 12 in. A pretty flowering plant of the Gentian (*Golden Bartonia*.) family and somewhat like a wild rose in appearance, producing a profusion of fine, bright metallic yellow blossoms, about two inches across and fragrant in the evening. Sow it where it is to remain, as it does not bear transplanting. Pkt., 5c; ½ oz., 15c; oz., 25c.

### BEGONIAS.

#### Everblooming Bedding Varieties.

8-12 in. The following varieties take rank as bedding plants with geraniums and coleus, doing as well in full sunlight, as in partial or whole shade. They are of sturdy growth, forming dense bushes, which are completely hidden with flowers the entire season. As pot plants for winter-flowering they are superb. Easily raised from seed.

740. **Berna.** The foliage of this fine Begonia is very dark, flowers are rather large for the Semperflorens type and are of a very bright carmine red; they are produced all summer and in great abundance. Pkt., 15c.
742. **Erfordi.** 8-12 in. A very pretty variety, densely covered with handsome flowers of a delicate rose color. Pkt., 15c.
743. **Gracilis Luminosa.** This differs from Begonia Gracilis in the lustrous reddish brown color of the foliage, while the flowers, measuring 1 to 1½ inches across, are of a fiery dark scarlet. It is very free flowering, and where massed produces a splendid effect. No better sort for groups and bedding has yet been seen. Pkt., 20c.

744. **Red Lubeca.** 9 in. The plants are of compact growth. It is one of the most free-flowering sorts. The flowers are a brilliant carmine red and are borne freely above the red brown foliage. Splendid for beds and borders and if planted with Vaughan's Little Gem Alyssum as an edging the effect is very distinct and pleasing. Blooms all summer. Pkt., 20c.

746. **Vernon.** Bright orange-carmine flowers, deep red foliage. Pkt., 10c.

750. **Semperflorens, Single Mixed.** This mixture contains all the best varieties, ranging in color from pure white to the deepest crimson. Pkt. 10c.

### TUBEROUS-ROOTED BEGONIAS.

Of great value for summer decorating or window gardening, blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees. To secure the best of results they should be planted in a partially shaded place. They are covered the whole summer with bright flowers.

755. **New Frilled.** This is the finest strain of these beautiful tuberous-rooted Begonias. Our seed has been saved from selected, best frilled flowers, carefully hybridized and will produce magnificent flowers in all shades of red, rose, pink, salmon, orange, flesh, white, crimson and scarlet. Pkt., 25c.

758. **Single Tuberous Begonias**, from prize-winning varieties, in finest mixture, Pkt., (500 seeds), 20c.

760. **Double Tuberous Begonias.** Flowers of elegant form and substance. All colors mixed. Pkt., 25c.

765. **Rex Begonias.** Ornamental foliage varieties. Pkt., (250 seeds), 30c.

741. **Begonia Salmon Queen.** See Novelties

- Bidens.** 775. **Miniature Black Dahlia.** H.A. 2 ft. (Also called Black Cosmos.) Produces an abundance of crimson-maroon flowers of velvety texture, 4 in. across. Pkt., 5c.



Double Balsams are useful for Table decorations, in artistic arrangement with ferns, making pleasing Center-Pieces. Most color schemes are possible.

Type of Vaughan's Invincible Balsam.

- Bocconia.** 780. *Japonica*. H.P. 4 ft. Effective for single specimens or groups on lawns. Foliage glaucous green, bears freely spikes 2 to 3 ft. long of cream-colored flowers. Pkt., 5c.

- Brachycome.** H.H.A. 12 in. Free flowering, dwarf-growing annuals, covered during the greater part of the summer with a profusion of pretty flowers; suitable for edging, small beds or pot culture. (Suan River Daisy.)

784. **White.** 785. **Blue.** 786. **Pink.** 787. **Mixed.** Each, pkt., 6c; ½ oz., 10c.

- Briza Maxima.** 792. H.A. 12 in. Valuable for winter bouquets and wreaths. (Ornamental Grass.) The seed clusters are heart shaped and gracefully poised on such slender stems that they are almost constantly in motion. The plant is known to many as Quaking Grass. Pkt., 5c.

- The New Giant Browallia.** 795. G.P. 1 ft. This new sort is without a doubt (*Browallia Speciosa Major*.) the most beautiful of all the Browallias. The plants form dense little bushes, which are covered with an abundance of the most delightful sky-blue flowers, much larger than those of the other varieties. For beds, borders or pots there is hardly a plant with blue flowers that compares with it. Pkt., (50 seeds), 15c, 2 for 25c. 796. **Browallia.** Mixed. Pkt., 5c.

- Bryonopsis.** 800. *Laciniosa*. 10 ft. C. An ornamental climber of the Gourd family bearing green fruit which changes in color as the season advances to bright scarlet striped with white. Tuberous rooted perennial but may be treated as tender annual. Pkt., 5c.

- Bupththalmium.** 804. *Cordifolium*. H.P. 1 ft. Ornamental, flowers yellow. Pkt., 5c.

- Cacalia.** 810. H.A. 2 ft. Pretty, free-blooming plants with tassel-shaped flowers; also called Devil's Paint Brush; of easy growth. Pkt., 5c.

- Calampelis Scaber.** 812. H.P. 6 ft. A quick growing climber, with orange-colored tube-flowers. Pkt., 10c.

- Calandrinia Umbellata.** 816. H.H.B. 6 in. Flowers of a dazzling magenta-crimson, about ½ in. in diameter, produced nearly all summer. Pkt., 10c.

- Calceolaria.** 820. *Hybrida*. T.G.P. Our seed is saved from the best European collection and will produce flowers of large size and in an endless variety of colors. Directions on packet. Pkt., (300 seeds), 25c.

821. **Rugosa Mixed.** (Shrubby.) 1 ft. Small flowering varieties for bedding; of the finest colors. Pkt., 40c.





Types of "Vaughan's Special" Mixture Calliopsis.

**CANTERBURY BELLS.**  
(*Campanula Medium.*)

Very ornamental garden plants of easiest culture; hardy biennial. 2½ ft. high, producing large, bell-shaped flowers of exquisite colors.

900. Single White. 902. Single Pink.  
901. Blue. 903. Striped.  
905. Mixed. Each, pkt., 5c. ½ oz., 10c.  
908. Canterbury Bell. Double mixed. Pkt., 5c; ½ oz., 10c.

"CUP AND SAUCER." **Canterbury Bells.** (*Calycanthema.*) Beautiful flowers 3 in. in length, saucers 3 to 4 in. across. The plants form perfect pyramids of bloom about 24 in. high, and they bear frequently 100 of these exquisite blossoms during the early summer.

Cup and Saucer, 910. Blue. 911. Striped. 912. White. 913. Pink. 917. Mixed. Each, pkt., 5c; ½ oz., 15c.



Giant Hyacinth-Flowered Candytuft.

**CALENDULA OR POT MARIGOLD.**

*Excellent for Bouquets and Vases.*

A hardy annual about a foot high. Will grow in almost any soil. Set plants about 10 in. apart if planted in the borders. The seed may be sown in the open quite early in spring and the plants will bloom early in summer and continue until late in the fall.

830. **C. Orange King.** The grandest of all double Marigolds. Flowers of considerable size, much larger than any we have seen; outer petals slightly imbricated, while those of the center are incurved like the petals of a Peony. Color is a rich, dark orange. Pkt., 5c; ½ oz., 10c.  
831. **Sulphur Queen.** Double sulphur yellow. Pkt., 5c.  
832. **Pongel fl. pl.** Double white. Pkt., 5c.  
835. **Mixed.** The above and others. Pkt., 5c; ½ oz., 10c.  
**CALIFORNIA POPPY.** See Escholtzia.

**CALLIOPSIS.**

Will bloom until frost, thrive in any soil and requires scarcely any care. Fine cut flower. Hardy annual. Height, 18 to 30 inches.

845. **Golden Ray.** 6-8 in. A beautiful new variety. Flowers golden yellow, with dark purplish brown center. The edges of the leaflets are turned down, giving to the blooms the appearance of a small single cactus dahlia. Of compact bushy habit and an extremely profuse bloomer. Pkt., 10c.  
846. **Golden Wave.** 2 ft. Plant very bushy and compact, and covered from July to October with hundreds of beautiful blossoms 2 in. across. Pkt., 5c; ½ oz., 10c.  
847. **Radiata, "Tiger Star."** See Novelties.  
848. **Double Sorts, mixed.** Pkt., 5c; ½ oz., 10c.

- Hybrida Superba.** 849. 18 in. These pretty plants form dense bushes and are covered (Better than the entire summer with their beautiful flowers in all shades of yellow orange to the deepest velvety brown. For groups, borders and pots and also as cut-flowers they are most desirable. Pkt., (500 seeds) 10c; 3 pkts. for 25c.  
851. **Dwarf Sorts, mixed.** 15 in. Pkt., 5c., ½ oz., 10c.  
853. **Lanceolata.** H.P. Yellow. Pkt., 10c.  
855. **Mixed.** All sorts and colors. Pkt., (300 seeds), 5c; ½ oz., 10c; oz., 15c; lb., \$1.20.

**CALLIOPSIS, "VAUGHAN'S SPECIAL" MIXTURE.**

860. This mixture contains all the desirable sorts and colors of these beautiful hardy flowers. A great number of kinds have been especially selected for it and we know it will give entire satisfaction. Large pkt., 10c; 3 pkts. for 25c; ½ oz., 30c.



**CAMPANULA.**

Hardy perennial favorites, bearing large bell and saucer shaped flowers in profusion.

870. **Carpatica.** 9 in. Flowers deep blue, on wiry stems. Pkt., 5c.  
871. **Carpatica Alba.** White. Pkt., 5c.  
873. **Glomerata Acaulis.** H.P. A very pretty new dwarf Bell-flower. The plants are low round rosettes, the leaves rich dark green and the dark blue flowers are produced right among the leaves, in round clusters, forming a most pleasing contrast with the rich green of the leaves. They bloom in June and July. Splendid for rockery or pots. Pkt., 15c.  
874. **Longistyla.** See Novelties.  
876. **Macrantha.** 3-5 ft. Large purplish-blue flowers. Pkt. 5c.  
877. **Mirabilis.** 2 ft. Very free, flowers lavender. Pkt., 25c, *Persicifolia.* 2-3 ft. July-August. Very free.  
880. **White.** 881. **Blue.** 882. **Mixed.** Each pkt. 10c.  
**Pyramidalis.** A grand sort known as the "Pyramidal Bell Flower," about 4 ft. high, of elegant, pyramidal form, bearing thousands of exquisite bell-shaped flowers.  
885. **Blue.** 886. **White.** 887. **Pyramidalis Mixed.** Each, pkt., 5c.  
890. **Trachelium.** 3-4 ft. July to September. Long narrow spikes of light purple flowers. Pkt., 5c.  
894. **Vaughan's Special Mixture of Perennial Campanula,** includes besides the above several other very desirable varieties. Pkt., 25c.



**Canary Bird Vine.**

(An excellent climber for shady places.)

920. 15-20 ft. A rapid growing, delicate vine, with clean handsome foliage and an abundance of bright canary-yellow blossoms. It is also a good rambler and fine for stumps, rockeries, etc. It makes an excellent window vine for winter. Pkt., 5c; ½ oz., 15c; oz., 25c.

**CANDYTUFT.**

Hardy annuals that will grow in any soil; require no care and will bloom all summer. Our packets contain from 300 to 400 seeds.

925. **Giant Hyacinth-Flowered.** This improved new strain is far superior to that well-known kind, Empress, heretofore the best of its class. The flower-heads are of immense size, 6 in. long and 3 in. across, resembling a Dutch Hyacinth. They are pure white, and furnish excellent material for cutting. Pkt., (300 seeds), 10c; ½ oz., 20c; oz., 40c; 2 oz., 70c.  
927. **Queen of Italy.** This is probably the most beautiful of all. The plants form dwarf bushes which are covered with very large pink blooms. It is one of the best of plants for borders and beds on account of its habit, beautiful color, and freedom of bloom. A row of this is a beautiful sight. Pkt., 10c; ½ oz., 25c; oz., 45c.  
928. **Snowflake.** Extremely free-blooming sort. The plants grow about 7 in. high, forming a very neat, round bush, covered with the finest pure white flowers. This is an excellent variety. A continuous bloom may be had throughout the summer by repeated sowings at intervals of about two weeks. Pkt., (300 seeds), 10c; ½ oz., 20c.  
930. **Dwarf Hybrids.** A very choice mixture of dwarf-growing candytuft, with flowers twice the size of those of the older kinds, in a large variety of colors. Pkt., (250 seeds), 10c; 3 for 25c.  
931. **White Rocket.** 1 ft. Pkt., 5c; ½ oz., 10c; oz., 15c; lb., \$1.00.  
932. **Lilacina.** Purple lilac. 1 ft. Pkt. 5c.  
933. **Carmine.** Dwarf, rich flowers. Pkt., 5c.  
934. **Odonata.** Sweet-scented. Pkt., 5c; oz., 15c.  
935. **Mixed.** All sorts and colors. Pkt., 5c; ½ oz., 10c; oz., 15c; ½ lb., 35c; lb., \$1.00.

**Perennial Candytuft.**

940. **Sempervirens.** Pretty white flowers. Pkt., 10c.  
941. **Gibraltarica.** Lilac, shading off to white. Pkt., 10c.

**ANNUALS FOR ROCKY PLACES:**

Candytuft, Silene, Clarkia, Nasturtium, Portulaca, Gypsophila, Kenilworth Ivy, Verbena





Types of Vaughan's Special Mixture Carnations.

## CARNATIONS.

Varieties that Bloom the First Summer.

### Guillaud Riviera Market.

970 This fine Carnation has been obtained by careful selection from the Margaret and is far superior to it or any other Carnation seed. The flowers are of larger size, better substance, greater doubleness, and more varied markings and colors, many having grounds and shadings of yellow. The Guillaud Carnation will bloom the first summer, and if taken up in the fall the plants will bloom during the winter, yielding an abundance of the handsomest and most fragrant flowers. **Pkt. (100 seeds), 25c.**

### Ever-Blooming or Chabaud.

971 A new strain raised by M. Chabaud, a Carnation specialist of Southern France. The plants are of even height, as if trimmed, healthy and vigorous, the stalks stiff as wire, the flowers large, very double, deliciously sweet and in the largest and most charming color variations. These also bloom in four months from the time the seedlings are up. **Pkt. (100 seeds), 15c; 2 for 25c.**

974 Gold Finch. This new Carnation produces very large and very double flowers and in six months from the time of sowing. The flowers are golden yellow with pink and scarlet markings. One of the richest colored sorts among the Fancy Carnations. **Pkt. (50 seeds), 25c.**

975 Glowing Coal. The large flowers are of the most intense brilliant scarlet, very double, very sweet, and the plants bloom the first summer if seed is sown before April. **Pkt. (50 seeds), 25c.**

976 Marie Chabaud. The flowers are large, double, of splendid form and deliciously sweet. They are of pure canary yellow with a great percentage of flowers coming true. The plants bloom in six months after sowing. **Pkt. (50 seeds), 25c.**

### VAUGHAN'S CARNATION MIXTURE.

1008 This is a mixture of the best strains blooming Chabaud Carnations. The plants will bloom flowers that are equal to the best lifted in September, potted, and (100 seeds), 25c; 3 pkts. for 65c.



The following Carnations Bloom

### DOUBLE DWARF VIENNA.

1000 Produces double, very sweet-scented flowers in the largest variety of colors and in the greatest profusion. With a light protection they stand the winter. **Pkt., 10c.**

1001 Carnations, Extra Choice Mixed. Saved from a rich collection of named flowers, and will produce fine varieties. **Pkt., 10c.**

### Giant Margaret Carnation.

980 Like the Margaret Carnation, the seed of this new strain will bloom in about four months after sowing, and the plants will continue to flower all through the summer. The flowers are of very large size, measuring 3 in. or more in diameter; the colors include all the shades of white, pink, crimson and striped. The plants grow upright, requiring hardly any support, and their yield of flowers is wonderful. **Pkt. (100 seeds), 15c.**

981 Giant White. Flowers very large and double, pure white, with only an occasional pink streak; plants short and stocky, with stiff stalks. **Pkt. (50 seeds), 15c.**

### Dwarf Margaret Carnation.

984 Like its parent, the Margaret, this Carnation blooms in four months from sowing, but is much in advance of this type. The flowers are larger, more double, and the variety of colors is infinitely greater. Plant 15 in., flowers always erect. All colors mixed. **Pkt. (125 seeds), 10c; 3 for 25c.**

986 Giant of Nice. Blooms in four to five months from date of sowing the seed. The flowers of this new Carnation are of very large size, colors are varied and the plants very free flowering. It is a splendid kind for cut flowers, because the stems are long and strong. **Pkt., 25c.**

990 Double Margaret Carnation. Fine double mixed. **Pkt. (120 seeds), 5c; 1/2 oz., 20c.**

Margaret Carnation in separate colors. 991 White, 992 Pink, 993 Red, 994 Striped, 995 Yellow. Each, **pkt., 5c; 1/2 oz., 30c.**

Bloom the First Summer.

of Giant Margaret, Malmaison and ever-including the latest selections of yellow the first summer and will produce many florists' Carnation. The plants can be will bloom all winter, in the house. **Pkt.,**

the Second Summer from Seed.

1002 Early Red Grenadin. For yielding a quantity of double red flowers there is no outdoor Carnation that can equal it. It will live through winter with little protection. **Pkt., 10c.**

1003 Double White Grenadin. Our seed will produce over 80 per cent double white flowers of good form and substance. **Pkt., 10c.**

1004 Carnations, Fine Double Mixed. Sweet-scented sorts, large, double flowers. **Pkt., 5c.**

## New Giant Flowered Cannas.

Bloom the First Summer.

Canna Seed should be cut (at one of the points) about 1-16 of an inch and then soaked in warm water 24 hours. Sown in January or February (in the house), blooming plants may be had in June.

Our seed has been saved from our own beautiful collection, comprising over fifty kinds. But few people know that these beautiful flowers can be so easily grown from seed, and bloom the first summer if sown before April. Have no equals for stateliness, brilliancy and variety of colors and ever-blooming qualities. They produce continually large, showy flower spikes.

Named Cannas do not come true from seed, so we only offer seed in mixture.

950 Giant Canna Mixture. **Pkt., of 10 seeds, 10c; 3 pkts., 25c.**

951 Red Leaved Crozy Sorts. All the best varieties. **Pkt. (10 seeds), 10c; 3 pkts., 25c.**

For roots or plants of Cannas, see Greenhouse Plants.

Don't throw away the packets in which the seeds come. In addition to containing valuable directions for planting and cultivation they are excellent sources of information when the name of a particular flower slips the tongue and is wanted.



### GIANT ZANZIBAR CASTOR BEANS.

1010 Twelve to 14 ft. The enormous leaves, beautifully lobed, 2 1/2 to nearly 4 ft. across. Each plant makes a perfect pyramid of foliage, thickly set from top to bottom. The difference between the varieties is in the coloring of the grand bamboo-like stems and long slender leaf-stalks. **Pkt. (15 seeds), 5c; oz., 15c; 2 oz., 25c.**

### CASTOR BEANS, RICINUS.

Stately, strong-growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc., 6 to 12 feet.

1011 Borboniensis Arboreus, 15 ft. Immense green foliage. **Pkt., 5c; oz., 10c.**

1012 Sanguineus, 6 ft. Beautiful brownish red foliage. **Pkt., 5c; oz., 10c.**

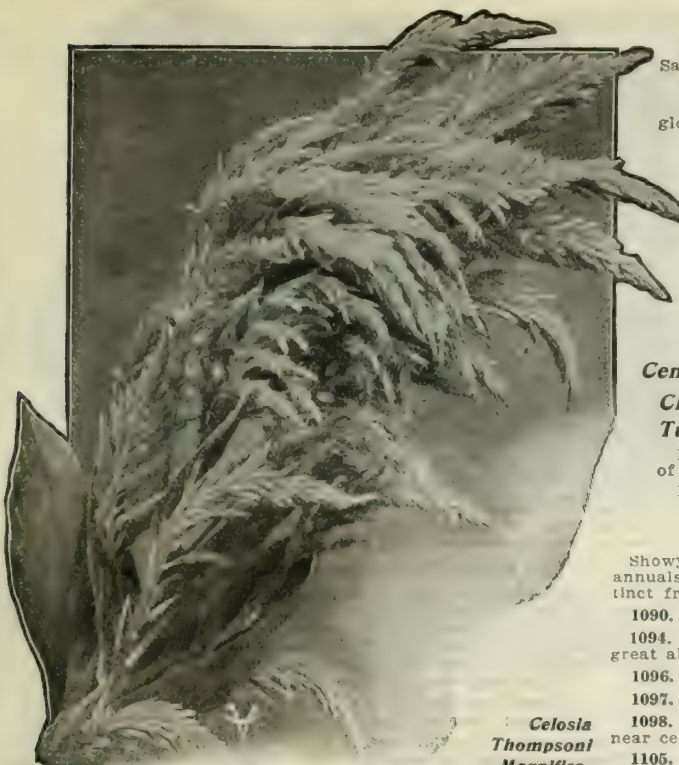
1013 Cambodgensis. 6 to 8 ft. Large palm-like leaves of the darkest bronze maroon; stalk and stem nearly black. **Pkt., 5c; oz., 15c.**

1015 Pamormitanus, **pkt., 5c.**

1016 Castor Beans. Many sorts mixed. **Pkt., 5c; oz., 10c; lb., 70c.**

Moles and Castor Beans. Moles are troublesome in many gardens, but they can be kept away by planting Castor Beans on the borders. They leave when they get a scent of this plant.





*Celosia  
Thompsoni  
Magnifica.*

## CELOSIA OR COXCOMB.

**President Thiers.** 1020. One of the most dwarf of all Cox-combs, bears largest crimson combs. It has been grown in our public parks between or alongside of rows of Golden Feverfew and Centaurea Candidissima, and when so planted makes one of the most brilliant strips of border bedding. It is also a very handsome pot plant. Pkt. (250 seeds) 10c; 3 for 25c.

1021. **Fire King.** Rich, fiery orange-scarlet. Pkt., 5c.  
1022. **All-a-Glow.** 1 ft. A splendid dwarf Coxcomb, with immense ruffled combs like scarlet chenille; the depths are glowing orange-scarlet. Pkt., 10c.  
1023. **Dwarf Golden.** Pkt., 5c. 1024. **Dwarf Pink.** Pkt., 5c.  
1028. **Dwarf Coxcomb.** Splendid mixture, with crimson, pink, golden and striped combs. Pkt., 10c.  
1030. **Tall Sorts Coxcombs.** Mixed. Pkt., 5c.

## CELOSIA, FEATHERED COXCOMB.

The plant grows about 3 ft. high, is of handsome pyramidal form, and the numerous massive plumes, which resemble an ostrich feather waving gracefully above the foliage, make it one of the most effective ornamental plants for either pot or outdoor planting. It is of easy culture.

1034. **Crimson Ostrich Feather.** Pkt., 5c. 1035. **Orange Ostrich Feather.** Pkt., 5c.  
1038. **Feathered Varieties in Finest Mixture.** Pkt., 5c.  
1040. **Spicata.** New. 2½ ft. Flowers pink, shading to silvery white. Pkt., 5c.

## MAGNIFICENT PLUMED COXCOMB.

*Celosia Thompsoni Magnifica*

1033. The most perfect strain of the ostrich plumed Coxcombs. The plants have a true pyramidal branching growth, 2½ feet, and the flower spikes vary in the most magnificent shades of colors, ranging from the clearest yellow to the darkest of blood red. Of great value for all decorative purposes in and out of doors. The plants are in constant bloom from July to November. Should be planted in every garden, large or small. Price, per packet, 10c.

## CENTAUREA, GIANT SWEET SULTAN. (Centaurea Imperialis.)

1042. This Centaurea represents the best that has been produced in these beautiful summer-blooming plants. The bushes are about 4 ft. high, and are covered with large beautiful flowers. Will keep for over a week in water, if cut just when they are about to open. If a package is sown every two or three weeks until July a constant succession of bloom can be had the whole summer and fall. Mixed colors. Pkt., 5c; ¼ oz., 20c.

1043. **Pure White.** One of the best white flowers for cutting; large, sweet and beautiful. Pkt., 10c. ¼ oz., 25c.  
1044. **Suaevolens, or Yellow Sweet Sultan.** This deserves to be in every garden. The plant grows about 2 ft. high and its double flowers are large, sulphur yellow and sweet-scented, borne on long stems and splendid for bouquets. Pkt., 5c; ½ oz., 20c; oz., 35c.  
1045. **Americana.** A splendid native variety, growing 3 feet high and bearing immense thistle-like blooms of a pink color. Very showy in the border and splendid for cutting. Pkt., 10c.  
1046. **Americana Alba.** See novelties.

**Centaurea** 1050. **Candidissima.** Leaves silvery white. Pkt., 10c.  
1051. **Gymnocarpa.** Silver gray foliage. Pkt., 5c.  
**Dusty Miller.** These are planted for bedding, not for flowers.

## CENTAUREA CYANUS, Bachelor's Button.

1055. Very free-blooming hardy annual; also called Blue Bottle, Ragged Sailor, Korn Blume, etc. Mixed colors. Pkt., 5c; ½ oz., 10c; oz., 15c; 2 oz., 25c.  
1056. **Blue Emperor, Cornflower.** Pkt., 5c; ½ oz., 10c; oz., 15c.  
1057. **Double Blue Cornflower.** This is identical in color to the popular single blue variety, which is so much in demand for cutting, especially for boutonniere, but, being a full double flower, it takes fewer of them to make a nice bunch, and is better in every way. Pkt., 10c; ¼ oz., 25c.  
1058. **Double White.** Like above, but almost pure white. Pkt., 10c; ¼ oz., 20c.  
1060. **Double Cornflower, Mixed.** Contains many shades not found in the single Bachelor's Buttons. Pkt., 5c; ½ oz., 15c; oz., 25c.

## "VAUGHAN'S SPECIAL" MIXTURE OF CENTAUREAS.

1061. Includes all the above annual Centaureas (Cyanus, Imperialis, Americana and Suaevolens) and a packet will produce the loveliest cut flowers all summer. Large pkt., 10c; 3 for 25c; ½ oz., 30c; oz., 50c.



**Centrosema.** 1065. **Grandiflora.** Pkt., 5c.

**CHELONE.** 1070. **Lyonii.** 2 ft. Aug.-Sept. Pretty free-flowering plants, preferring half shady, moist situation. Flowers rosy purple, in heads. Pkt., 10c.

1071. **Barbatus Torreyi.** 4-5 ft. June-Sept. Excellent plant with long spikes of scarlet flowers. Pkt., 10c.

1072. **Barbatus Hybridus.** Mixed. Pkt., 10c.

## CHRYSANTHEMUMS. ANNUAL VARIETIES.

Showy and effective garden favorite, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; good for pot culture and quite distinct from the autumn-flowering varieties.

1090. **Double White.** Pkt., 5c. 1091. **Double Golden Yellow.** Pkt., 5c.  
1094. **Inodorum Plenissimum.** 2½ ft. It furnishes double snow-white flowers in great abundance through the summer and fall. Pkt., 5c.  
1096. **Eclipse.** Yellow, with purple ring. Pkt., 5c.  
1097. **The Sultan.** Crimson maroon, single. Pkt., 5c.  
1098. **Golden Feather.** Foliage striking yellow; flowers white with a crimson ring near center. Single. Pkt., 5c.  
1105. **Double Annual Chrysanthemums.** A fine mixture. Pkt., 5c; ¼ oz., 10c.  
1107. **Morning Star.** 18 in. A superb Marguerite with immense flowers of an attractive soft yellow. Profuse bloomers. Pkt., 5c.  
1108. **Evening Star.** 18 in. Flowers pure golden yellow and 3 inches in diameter. Bad weather has little or no effect on stems, the petals remaining firmly extended in the rain and sunshine. The plants bloom in about 10 weeks after sowing and continue until frost. Pkt., 10c.  
1110. **Bridal Robe.** Of very compact and upright habit and not exceeding 10 inches in height, the sturdy plants throw out their finely feathered foliage from the base and deck themselves with a mantle of extra double pure white flowers. With their short closely-set petals the latter recall the finest forms of very large-flowering double Daisies and appear in such number that a large bed in full bloom may well be compared to a drift of snow. Coming almost true from seeds, it will certainly prove a bedding plant of the very first rank, while also useful for pot culture. Pkt., 10c.  
1112. **"Silver Queen."** This variety is quite distinct, being of dwarf habit, height about 12 to 15 inches. The flowers are well formed and lasting, pure white with a zone of clear bright yellow, and the disc yellow overlaid with silver, giving the whole a very pretty appearance. As a bedding plant it will be found very useful on account of its dwarf habit, but sufficient space must be given to allow the plants to develop the true character. Pkt., 10c.

## VAUGHAN'S "SPECIAL MIXTURE" ANNUAL CHRYSANTHEMUMS.

1120. Single and double sorts in finest mixture, including many new varieties not listed above. Pkt., 10c; 3 for 20c; ½ oz., 25c.



## PERENNIAL VARIETIES.

1122. **Chrysanthemum Leucanthemum Hybridum.** Spring Marguerite. It is the early-flowering habit of this Marguerite which the raiser claims as its foremost merit, being the first of the entire tribe coming into bloom as early as the middle of May. Quite hardy and most useful for cutting. Pkt., 10c.

1123. **Early Flowering Japanese.** Seedling Chrysanthemums are free-flowering and if seed is sown early (in the house) it will produce plants that will bloom the same year. Many of the flowers come single or semi-double, most are very pretty indeed and all are invaluable for cutting. Pkt., 25c.

1124. **Chinese and Japanese.** The seed we offer is saved from a collection of 50 different varieties, both Chinese and Japanese. If this seed is sown in February and March, and properly treated, the plants will bloom profusely next fall. Pkt. (100 seeds), 15c; 2 pkts. for 25c.

1128. **Maximum or Ox-eyed Daisy.** A free-blooming, hardy perennial, 2 feet high, covered with pure white flowers. Pkt., 5c.

1129. **"Princess Henry."** One of the finest and most valuable of the hardy Marguerite or Ox-eye Daisy varieties. The flowers open to 4 inches and more in diameter, and give an abundant and very handsome material for cutting. Pkt., 10c; 3 for 25c; ¼ oz., 35c.

1133. **Frutescens.** Paris Daisy or Marguerite. Large, white, star-shaped flowers Pkt., 10c.

## CINERARIA

### VAUGHAN'S COLUMBIAN MIXTURE.

1140. This is a mixture of the finest English, French and German strains; the flowers are very large, from 7 to 9 inches in circumference, and of the most brilliant colors. We sell a large quantity to florists who often sell their plants for \$1.00 each. Pkt., 25c.

1146. **Cineraria Hybrida.** Good Mixed. Pkt., 5c.

1147. **Double Cinerarias.** Extra fine mixed. Pkt., 25c.

1148. **Maritima "Diamond."** For bedding. Pkt., 10c.



Prof. Bailey says: "I could no more do without annuals than I do without the spices and the condiments at the table."



- Clarkia.** 1150. H. A. 18 in. Single and double sorts, choice mixed. Pkt., 5c.
- Clematis.** 1154. Large flowering. Beautiful climber, with lovely flowers, blue, white, purple, etc. Hardy, can remain in a permanent situation. Mixed. Pkt., 15c.
1155. **Clematis Paniculata.** Pkt., 10c.
1158. **Clematis Recta.** A fine hardy perennial, growing into bushes up to 3 feet in height, covered with clusters of white, sweet-scented flowers in June-July. Pkt., 15c. The seeds of Clematis germinate very slowly.

**Cleome Pungens.** 1160. H.A. 30 in. A splendid honey plant that is in bloom every day of the season, whether the weather be hot or cold, wet or dry, covered with bees all day long. Pkt., 5c; ½ oz., 25c; oz., 45c.

**Clianthus Dampieri.** 1164. G.P. Glory Pea of Australia. One of the most gorgeous flowers in existence and of the few that show a clear, glossy, jet black color. The trailing plants grow 1 to 2 ft. high and bear in clusters 5 or 6 of the most beautiful red flowers. Pkt., (10 seeds), 10c; 3 for 25c.

### COBÆA VINE, CATHEDRAL BELLS.

1170. One of the handsomest and most rapid growing annual climbers, running up to 30 ft. in a season. The flowers are bell-shaped and of a purplish lilac when full grown. It is a very prolific bloomer, one that makes a show the first year, both in vines and flowers, one that is always clean of insects. We know of none better. Pkt., 5c; ¼ oz., 15c.

1171. **Cobaea, White.** Pkt., 10c. 1172. **Cobaea, Mixed.** Pkt., 10c.



Coreopsis, "Golden Glory."

**Coccinea Indica.** 1175 10 ft. scarlet-fruited ivy-leaved climber. A handsome annual climber of the gourd species, with beautiful, smooth, glossy, ivy-like leaves, contrasting with the fine snow-white, bell-shaped flowers and brilliant carmine fruit. Pkt., 10c.

**Coreopsis** (Lanceolata Grandiflora)

**Golden Glory.** 1190. A beautiful hardy sort, blooming from seed the first year. Very large golden flowers of great elegance and beauty. The plant is covered with flowers the entire summer. One of our most artistic flowers. Pkt. (100 seeds), 10c; ¼ oz., 20c.

### COIX LACHRYMAE.

1179. **JOB'S TEARS.** An old-fashioned but valuable remedy for sore throat, goitre and teething babies, when the seed is strung on linen thread and worn around the neck as a chain. Also used to advantage in basket making and raphia work. Oz., 5c (2 oz. make a chain); ¼ lb., 15c; lb., 45c.

**Coleus, Mammoth Rainbow.** 1180. The handsomest foliage plant obtained from seed. The leaves often measure 10 in. in length and 8 in. in width, heart-shaped and handsomely crimped, toothed and frilled; their color combinations are remarkably rich, comprising all the reds, metallic greens and yellow, in shades from the most delicate to nearly black, and indeed pass description. One of the easiest plants to grow from seed. 2½ ft. high. Pkt. (250 seeds), 15c; 2 for 25c.

1185. **Coleus.** Many fine varieties, mixed. Pkt. (150 seeds), 5c.

**Collinsia.** 1184. H.A. 18 in. If sown in autumn, will stand the winter and flower early in spring. All the species are brightly colored, and excellent for growing in patches or clumps; easily grown in any garden soil. Mixed colors, Pkt., 5c; oz., 25c.

**Floral Butterfly Plant.** 1188. No plant in cultivation possesses so great a number of superior points as this. Plants are of graceful, trailing habit, superb for carpet bedding or for hanging pots. In pots it blooms every day in the year. In the garden from May until frost, showing daily scores of large winged butterfly-like blossoms. Color, the most beautiful blue to be found in any flower. Thrives in sun or shade, wet or dry, rich or poor soil; as easily raised as a weed. Blooms in 50 days from seed. Pkt., 10c.

**Convolvulus.** See Morning Glory, page 74.

De Kalb, Ill.—This is our fourth year with Vaughan's Seeds. We have tried other seeds, and some of our neighbors complain that Vaughan's seeds are higher priced than others, but we always have the finest garden in the neighborhood. There are no seeds but Vaughan's for us.

MRS. FRED PHILLIPS.



An ideal porch climber. Clean foliage, rapid grower, beautiful flowers, no insects. Seeds or plants.

Cobaea Vine or Cathedral Bells.

### COSMOS. Giant Flowering.

These Giant-Flowering sorts should in this latitude be started in the house in March and transplanted to the open ground early in June, into dry, sandy, or poor soil, in a sunny situation. If topped when half grown the plants will bloom much earlier, the check seeming to induce immediate flowering.

1225. **Giant White.** "Pond Lily." Pkt., 5c; ½ oz., 15c.

1226. "Pink Butterfly." Pkt., 5c; ½ oz., 15c.

1227. "Red." Pkt., 5c; ½ oz., 15c.

1230. "Mixed." Pkt. 5c; ½ oz., 15c; oz., 25c.

1232. **Lady Lenox.** See Novelties.

1235. **Orange Colored.** "Klondyke," 4 ft. A gorgeous orange yellow variety, with very handsome foliage, more coarsely lacinated than the other sorts. The plants are very bushy and symmetrical, and bear splendid flowers in great profusion. It is fine for pot plants, blooming in pots when 6 or 8 in. high. Pkt., (100 seeds), 10c.



Cosmos.

### COSMOS. Early Flowering Varieties Mixed.

1236. Grace, daintiness and brilliancy are the characteristics of this pretty flower, with its yellow heart encircled with broad, daisy-like petals, carried on long slender stems which rise from a cloud of feathery foliage. It is very pretty for vases and lasts often a week in the house when cut. This Early Flowering strain produces its flowers from July to November. It grows and blooms with the greatest freedom in any soil. Pkt., (150 seeds), 10c; 3 pkts. for 25c.

1237. "Dawn." Like the above this comes into flower early in summer and continues until frost. The flowers are large and of a beautiful white, with just a touch of delicate pink at the base of the petals. Pkt., (150 seeds), 10c; 3 pkts., 25c.



## CYCLAMEN SEED.

Our cyclamen seed is raised by specialists who are renowned for the excellence of their strains. Such seed is collected only from perfect seed plants, shape, size of flowers, foliage, stems and general habit being points considered in selection. Such seed is much superior to that saved from "left-over" plants.



Partial View of Greenhouse filled with Cyclamen raised for Seed only.

## CYCLAMEN. ALPINE VIOLET.

The flowers are of mammoth size and are borne well above the foliage on long, stiff stems. The coloring includes the most brilliant as well as the most delicate shades—deep crimson, purest white, rose and white with carmine spots and flakes. The foliage is also handsome, being thick, fresh and large, deep, rich green, with showy light markings. The culture of Cyclamen from seed is comparatively easy and is surely much more satisfactory and economical than from bulbs.

- 1250 Mont Blanc. Snow white. 1253 Dark crimson. Rich color.  
1251 White, with pink eye. 1254 Salmon. A new color.  
1252 Roseum. Lovely Pink.

Any of the above, per pkt. of 10 seeds, 20c; 100 seeds, \$1.25.

1260 Cyclamen, Giant Flowered. Mixed 20 seeds, 25c; 10 seeds, 15c.

## GIANT ORCHID FLOWERED CYCLAMEN.

These are exceptionally fine, with very large flowers that are frilled and fringed in wonderful fashion. They are splendid sellers in the Chicago market.

- 1265 Pure White. 1266 Red. 1267 Pink. 1268 White with Carmine Eye, and 1269 Lilac colored. Each, per 10 seeds, 20c; 100 seeds, \$1.50.  
1270 Giant Orchid Flowered Cyclamen in choicest mixture. 15 seeds, 25c; 100 seeds, \$1.25.  
1279 Cyclamen Persicum. The original type of Persian Violet. Mixed colors. Pkt. (20 seeds), 10c.

## CYPERUS or UMBRELLA PLANT

Known to Everybody.

1290 Grows finely in water with rich soil or mud, throwing up long stalks with narrow green leaves. Easily raised from seed. Pkt., 10c.

## CYPRESS VINE. (Ipomoea Quamoclit.)

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely-cut foliage is particularly adapted to ornamental work. Good for 10 ft.; if planted fairly thick, will make a dense screen of the most exquisite foliage and flowers.

- 1293 White. 1294, Crimson. Each, 5c; ½ oz., 15c.  
1296 Scarlet Ivy-leaved. A rapid-climbing variety, with deeply lobed, ivy-like leaves, and small fiery scarlet flowers. Per oz., 25c; Pkt., 5c.  
1297 Cypress Vine. Many Colors. Mixed. Pkt., 5c; ½ oz., 15c; oz., 25c.

## DAHLIA SEED.

But few people know that Dahlias can be raised from seed and will bloom the first year. The Dahlias we offer, if sown early, will bloom profusely all fall. The seeds germinate as easily and certainly as Zinnias, and from the very first development are strong stocky little plants. Plant them in a shallow box or pan early in March or April, transplant them carefully as their growth demands, and keep the soil moderately moist. When all danger from frost is over plant them in the bed or border in the garden, and from then on they will prove no more trouble than if the tubers had been used instead of seed.

- 1300 Best Mixture of Double Dahlias. Large-flowering Pompone, Cactus and Liliput. Pkt. (65 seeds), 15c; 2 for 25c.  
1302 Burbank's Selection. See novelties.  
1303 Colossal. The Peony Dahlia. A new race of Dahlias, producing single and semi-double flowers in various colors, of extraordinary size, measuring 8 inches in diameter. Imported by us from France. Pkt 25c.  
1304 Double Dahlias. Good mixed, many fine varieties. Pkt 5c.  
1305 Double Cactus Flowered. An extra fine strain of this favorite type. Pkt (75 seeds) 15c, 2 for 25c.  
1308 Exhibition Single. A very choice selection from large single flowers, many with broad-edged petals in various colors. This is a particularly early flowering strain. Seed sown April 10th produce blooming plants July 5th, which continue to flower until Fall. Pkt 20c.  
1309 Single Giant Perfection. This strain is a decided advance on the ordinary singles. The plants are of strong, robust habit, and produce in great abundance flowers of immense size, averaging 6 inches across, of the most bewildering variety of coloring. Pkt (100 seeds) 10c.

1310 Colerette. A novel type, having a row of short petals around the disc like a frill or collar, which is always of a different color than the regular petals; mixed colors. Pkt., 10c.

1314 Mixture of Single Dahlias. Including all the novelties. Pkt., 5c.

Vaughan's Special Dahlia Mixture. 1312 Will produce flowering Dahlia plants this summer.

This mixture contains seeds from the best collections in Europe and embraces all the various strains of Double Flowering Dahlias, such as Show, Pompone, Liliput and Cactus varieties, also the single-flowering and striped sorts and the novelties, and will produce a great many extra choice varieties. If you want a low priced Dahlia bed, here is your chance. Pkt. (60 seeds), 25c; 3 for 65c.

## DOUBLE DAISIES. (Bellis Perennis fl. pl.)

Plants of Double Daisy will bloom the first summer and will continue to bloom for years if given slight protection during winter. They are very pretty when in bloom, and deserve to be grown much more than they are. They commence blooming in April and continue to bloom until summer. They are not very particular as to soil, but should be grown where they have partial shade.

Vaughan's Mammoth Mixed. 1325 The flowers average 1½ to 2 inches in diameter, are very double, ranging in colors from snowy white to pink and blood-red, with the prettiest combinations of pink and white. Pkt (200 seeds) 10c, 3 for 25c.

Mammoth White. 1326 The flowers are enormous, of the purest white, borne on long stems. Pkt (200 seeds) 10c.

1327 Mammoth Pink. Large flowers of beautiful pink. Pkt 15c.

1328 Monstrosa White. Flowers are very durable. This is the best strain of English Daisies in existence. The flowers are very double, resembling in shape a Zinnia, extraordinary size, many measuring 2 inches across. The flower stalks are very long, stiff, and almost as thick as a pencil. Pkt (200 seeds) 15c.

1329 Monstrosa Pink. Pkt (100 seeds) 15c.

1330 Snowball. Long stem and large double white flowers. Pkt., 10c.

1331 Longfellow. Dark pink flowers usually large and double; very long and stiff flower spikes. Pkt., 10c.

1334 Double Daisies in Best Mixture, including Snowball and Longfellow. Pkt. (250 seeds), 10c.

1335 Double Daisies. Good mixed. Pkt. (250 seeds), 5c.

Orange Daisy. 1340 A beautiful perennial somewhat resembling an Aster, flower heads flat, about 2 in. across, bright orange color, on strong, stout stems. They are of very easy culture in common garden soil, excellent for mixed borders. In a moist, well drained situation, will flower the first season if started early. Hardy and lives year after year. Pkt. (100 seeds), 10c.

Ox-Eye Daisy. See Chrysanthemum Maximum, page 64.

Swan River Daisy. See Brachycome, page 61.

## BURBANK'S SHASTA DAISIES.

1344 Alaska. Flowers very large, pure white, on long stiff stems. Pkt., 15c.

1345 California. Flowers very large, similar to above, but the buds and half-opened flowers are of a most pleasing clear pale lemon yellow, with two rows of petals. When a day or two old these gradually change to pure white. Pkt., 15c.

1346 Westralia. This is distinguished by its branching habit. Buds and newly opened flowers are of a pleasing cream-color, semi-double, 3 to 4 inches across, and are produced on fairly long stems in great profusion. Pkt., 15c.

1347 Burbank's Shasta Daisies. The 3 sorts in equal mixture. Pkt., 20c.

1348 Burbank's New Double. See Novelties.

1350 Shasta Daisy. Regular stock. Pkt. 10c.

## DATURA OR TRUMPET FLOWER.

1354 Cornucopia. (Horn of Plenty.) For a showy plant Datura is excellent. The grand trumpet-shaped flowers measure from 7 to 9 in. in length and nearly 6 in. across, and form two distinct trumpets growing one within the other. The throat and mouth of the corolla are delicate white, while the outside is marbled with purple. A single plant often bears up to 200 flowers during the season. Pkt. (40 seeds), 10c.

1355 Golden Queen. 2½ ft. Compact, bushy plants, having numerous brilliant yellow showy flowers of gigantic size, often 10 in. long and often very double. Pkt., 10c.

1356 Datura Double White. Pkt., 5c.

1358 Many Colors Mixed. Pkt., 5c.





Types of Vaughan's Special Mixture Hardy Garden Pinks. No. 1431.

**DIGITALIS—FOXGLOVE.**

The Foxglove is every year increasingly cultivated in shrubberies and woodland walks. It is a hardy perennial, easily grown, and the colors are varied and beautiful. It grows easily from the tiniest seed, and the seed germinates with remarkable ease.

**Gloxiniaeflora.** This is a fine strain of the ordinary Foxglove, *D. purpurea*, with handsome Gloxinia-like flowers on long spikes.

1468. White. 1469. Rose. Each, pkt., 10c.; ½ oz., 20c.

1474. **Gloxinia-Flowered.** Extra choice mixed. Pkt., 5c; ½ oz., 15c.

1476. **Monstrosa** (Mammoth Foxglove). Long spikes, surmounted by one enormous flower; very odd; all colors mixed. Pkt., 10c.

1478. **Grandiflora.** 3 ft. Bright yellow flowers, distinct. Pkt., 5c.

1479. "Vaughan's Special" Mixture contains all the above and many others. Pkt., 15c; 2 for 25c; ¼ oz., 35c.

1480. **Purpurea Mixed.** Many kinds. Pkt., 5c; ½ oz., 15c; oz., 25c.



The Old Fashioned Hardy Grass or Clove Pink.

**DIANTHUS. Hardy Garden Pinks.**

1400. **Double Chinese Pinks.** Our mixture of this strain is extra good and contains a large variety of colors. Pkt., 5c; ½ oz., 20c; oz., 35c.

1401. **Double Striped and Fringed.** The flowers, which are very large and double, are beautifully fringed; greatest variety of colors. Pkt., 5c.

1402. **Malmaison.** See Novelties.

1405. **Double Imperial Pink.** Mixed. Pkt., 5c; ½ oz., 20c.

1406. **Mourning Cloak.** The most striking of all Pinks. The large, double, almost black flowers have a clear fringed edge of white. Pkt., 5c; ½ oz., 15c.

1410. **Vaughan's Improved Double Japan Pinks.** The flowers are large, double, of the brightest colors, handsomely fringed and borne on long, stiff stems, making them useful flowers for bouquets. Pkt., 5c; ¼ oz., 20c.

1412. **Snow Queen Pink.** The flowers are large and resemble a white carnation. They are produced in great abundance and are borne on long stiff stems. Pkt. (150 seeds), 10c; ½ oz., 20c.

1413. **Midnight.** Double Blood-Red. Pkt., 10c; ½ oz., 25c.

1414. **Fireball.** Double Red. Pkt., 10c. 1415. **Snowball.** Double White. Pkt., 10c.

1418. **Count Kerchove.** See Novelties.

**1520. Vaughan's Special Mixture of Double Pinks.**

The above Double Flowering Pinks and many others in splendid mixtures. Pkt. (250 seeds), 10c; ½ oz., 35c; oz., 60c.

1422. **Single Chinese Pinks.** These might be described as resembling

Giant Sweet Williams, with the exception that the flowers are larger, the variety of colors much greater and they bloom the first summer from seed. Pkt. (300 seeds), 10c.

1423. **Royal Japanese Pinks.** The flowers are of a beautiful shape and from 3 to 4 in. in diameter. The petals are frilled and fringed, giving the flower a graceful appearance. The colors range from a deep bright blood red to carmine and pink and even white. The cut flowers will keep a week. Pkt., 5c; ¼ oz., 20c.

1424. **Princess Pinks** (*Dianthus laciniatus punctatus*). A very novel single annual Pink, with medium-sized fringed flowers, which are mottled and spotted and striped in a great variety of colors, scarcely any two flowers alike. Pkt., 10c.

1426. **New Pink "Wonderful"** H. P. 12-15 in. The plants produce their large, lovely flowers of about 3 to 4 in. in diameter on stiff upright stems. The petals of the flowers are very

deeply cut into fine strips or thread-like fringes for one-third their length. There are all shades of colors, from pure white to rose and deep purplish red. Pkt., 10c; ¼ oz., 25c.

1428. **Mephisto.** The fringed flowers are flaked or striped with brown on light salmon to deep salmon-scarlet ground; petals present distinct light or white edges, forming a rich combination of new colorings and markings. Pkt., 15c.

1429. **Vesuvius.** Quite distinct from any of the red-flowering Pinks, being a most brilliant, intense orange-scarlet. Pkt., 10c.

**VAUGHAN'S MIXTURE OF SINGLE PINKS**

1430. This Mixture is a selection from the choicest sorts in cultivation.

The flowers are extraordinarily large, of handsome form, and embrace the most beautiful colors, ranging from white to the most delicate pink and deep, glowing crimson. For beds and cut flowers. Pkt. (250 seeds), 10c; ½ oz., 30c; oz., 55c.

**"VAUGHAN'S SPECIAL," MIXTURE OF HARDY GARDEN PINKS.**

1431. This magnificent Mixture contains all of the above double and single flowering annual pinks and those listed in our novelties, and will produce the largest variety of colors, as it embraces all the choicest sorts. We cannot recommend this Mixture too highly. Pkt. (300 seeds), 10c; 3 for 25c; ½ oz., 40c; oz., 75c.

**HARDY PERENNIAL OR CLOVE PINKS.**

1440. **Plumarius.** Scotch or Grass Pink. When treated like an annual, if seed is sown in March, the plants will bloom the first year. The delicately fringed, variously colored flowers are fragrant attractive and fine for bouquets. Pkt., 5c; ¼ oz., 10c.

1441. **Plumarius. Fl. Pleno.** Double, large-flowering Pheasant's Eye Pink, with fringed edges of various colors, mixed. Pkt., 10c.

1443. **Cyclops Perpetual Blooming Pinks.** 12-15 in. A new strain of great beauty. Flowers large, round and produced in great abundance; colors are exquisitely delicate, light rose, copper color, crimson and flesh predominating. A clove-like odor adds to their attractiveness. Flowers the first season. Pkt. (100 seeds), 10c; ½ oz., 20c.

**EARLY FLOWERING PERENNIAL PINKS.**

*Dianthus Plumarius Nanus fl. pl.*

1444. 12 in. These new early-flowering hardy grass or clove Pinks will soon be found in every yard. The compact bushes are perfectly hardy and produce their flowers fully two weeks earlier than the older types. Their freedom of bloom is marvelous: we have counted as many as 500 open flowers and buds on a three-year-old plant. The colors are rich and vivid and the odor delightful. Plants can be lifted and potted when in full bloom without injury. Pkt., 15c.

1445. **Double Perfection.** See Novelties.



1450. **Vaughan's Special Mixture Hardy Perennial Pinks.** Includes the above 4 kinds and others. Pkt., 15c.

**Dianthus Barbatius.** See Sweet William.



Gloxinia-Flowered Foxglove.





CALIFORNIA POPPIES, The State Flower of California.

## ESCHOLTZIA—CALIFORNIA POPPIES.

- "Carmine King."** 1555. A new and distinct color in this charming annual, the large flowers being of a beautiful carmine-rose, the coloring usually as intense on the inside as on the outside of the petals, and producing in beds or borders an altogether novel and brilliant effect. Pkt., 10c; ½ oz., 30c.
- 1557. "The Golden West."** Flowers 3½ to 6 in. across, bright yellow and orange. Some are flat and wide open, some saucer shaped, others very deep with flaring edges. In some the orange blotch almost suffuses the whole flower; in others it runs into the yellow in fine pencilled lines. Large pkt., 10c; ½ oz., 25c; oz., 40c.
- 1558. "Rosy Morn."** A distinct new shade. The rosy, white petals are delicately channeled or fluted with tiny folds radiating from the center and richly adorned with a soft primrose yellow hue, enhancing the beauty of this charming flower. Large pkt., 10c; 3 for 25c.
- 1556. Dainty Queen.** The color is a pale coral pink, slightly deeper towards the edges, with a ground work of delicate cream, and is quite the same shade

Hardy plants, bearing a profusion of richly colored flowers.  
Sow the seeds where the plants are expected to bloom.

- inside the flower as outside, so that the effect in color is the same when the flower is open as when closed, which is quite unusual.  
Pkt., 10c; ½ oz., 25c.
- 1560. California.** The yellow California Poppy. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00.
- 1561. Rose Cardinal.** Very deep carmine. Pkt., 5c.
- 1562. Mandarin.** Deep orange; a beautiful sort. Pkt., 5c.
- 1565. Fine Mixed.** Many colors. Pkt., 5c; ½ oz., 10c; oz., 20c; 2 oz., 30c; lb., \$1.25.
- Double Sorts.** **1566. White.** **1567. Rose.** **1568. Yellow.** **1569. Mixed.** Each, pkt., 10c.

### 1575. Vaughan's "Special Mixture" California Poppies.

This mixture includes all the above single and double sorts, and is the finest and most complete mixture of these charming annuals in existence. Pkt., 10c; 2 for 15c; ½ oz., 25c; oz., 40c.



## DOLICHOS, (See Hyacinth Bean.)

- Dracaena Indivisa** 1494. G.P. Beautiful ornamental-leaved plants; long, narrow. Green foliage; indispensable for vases and house decorations. Pkt., 10c.

## ECHEVERIA, HEN AND CHICKENS.

These plants are easily and cheaply grown from seed.

- 1510. Many Varieties Mixed.** These seedlings will furnish a real surprise, for few people have any idea of the great variety, both in shapes and colorings, that are found among the Echeverias. Our mixture comprises all the new sorts. Greenhouse perennials. 25 seeds, 10c; 100 seeds, 35c; 250 seeds, 75c.
- 1511. Desmetiana.** The prettiest of all the Echeveria (Hen and Chicken), being a beautiful silvery white. Comes true from seed. Indispensable for carpet beds and in formal gardens. Pkt., (100 seeds) 25c.
- Echinacea Hybrida.** 1520. H. P. 4 ft. These truly magnificent new Hybrids were obtained by crossing different Rudbeckias on the Echinacea purpurea and E. angustifolia. The flowers differ greatly in size and shape, some are long and narrow-petaled, others show broad and short ray-flowers, but all of them are very pretty and furnish a splendid material for cutting. The colors range from flesh color to deep purplish red. Pkt., 15c.

- Echinops.** H.P. 3-5 ft. Striking plants, with handsome silvery thistle-like foliage and fine blue flowers in round heads, which can (Glob. Thistle) be used for cutting. Excellent for the back of the hardy border among other tall plants.

- 1524. Ritro.** Steel-blue flowers; the best variety for cutting. Pkt., 10c.

- 1525. Sphaerocephalus.** Pale blue, globular flowers. Pkt., 10c.

- Edelweiss.** 1530. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any not too rich soil, with full exposure to the sun. Pkt., 10c.

- Erigeron.** 1535. **Grandiflora Elatior.** H. P. 1 ft. A fine cut flower. It blooms very early and free. Color pale lilac. Pkt., 20c.

- Eryngium.** 1540. **Plauum.** H.P. 3-4 ft. An A No. 1 cut flower. The plants are vigorous growers, flowers blue. Of easiest culture and as hardy as an oak. Pkt., 10c.

- 1541. Amethystinum.** H.P. 2-3 ft. Handsome, ornamental hardy plants, with finely-cut, spiny foliage and beautiful thistle-like heads of amethystine blue; fine for winter bouquets. Pkt., 10c.

- 1542. Alpium.** H.P. 3 ft. The handsomest of the Sea Holly. The round flower heads and stems are of the most pleasing and brilliant steel-blue. Pkt., 10c.

- Erythrina.** 1545. **Crista Galli.** The Coral Tree, a fine greenhouse shrub. Pkt., 10c.

## EUPATORIUM (Thorough-wort.)

Strong-growing, hardy perennials, well suited for naturalizing, and all of the sorts offered below deserve a place in every hardy border; they will grow and thrive in almost any position; will flower the first year if sown early.

- 1580. Ageratoides.** 3-4 ft. A very useful variety, with dense heads of minute white flowers from August to October. Pkt., 10c.

- 1581. Coelestinum.** 18-24 in. One of the best blue perennials and bears from August till frost an abundance of clear, lavender-blue, fleshy flowers; splendid for cutting. Pkt., 10c.

- 1582. Eraseri.** 1½ ft. A very pretty dwarf variety, producing clusters of snowy-white flowers; fine for cutting and bouquets. Pkt., 10c.

- 1583. Purpureum.** (Joe Pye-Weed). 4-6 ft. The native variety, with beads of reddish-purple flowers in August and September. Pkt., 10c.

## EUPHORBIA.

Strong-growing annuals, suitable for beds of tall-growing plants or mixed borders; the foliage is exceedingly ornamental.

- 1590. Variegata** (Snow on the Mountain). 2 ft. Attractive foliage, veined and margined with white. Oz., 30c; pkt., 5c.

- 1591. Heterophylla** (Annual Poinsettia, Mexican Fire Plant, Painted Leaf).—An annual resembling in habit and color the beautiful hot-house Poinsettia. The plants grow 2 to 3 ft. high, of branching, bush-like form, with smooth, glossy-green leaves, which, about mid-summer, become a beautiful orange-scarlet, presenting a striking and brilliant appearance. Pkt., 10c.

## EVERLASTINGS.

These are mostly annuals with straw-like flowers that keep their form and color for years.

- Acroclinium.** 1 ft. Graceful and pretty, half-hardy annuals; pretty in beds or pots.

- 92. Double Rose.** **93. Double White.**

- 194. Ammobium Alatum.** 2 ft. Large-flowered, with handsome double white flowers; useful either in the garden or for winter bouquets; cut before the buds open.

- Gomphrena Globosa.** A very fine annual, very desirable as a bedding plant, making a continuous display. Cut when fully developed.

- 1676. White.** **1677. Red.** **1678. Mixed.**

- 1760. Helichrysum Strawflower.** Showy, easily grown annuals for the border; fine for winter bouquets; cut before the buds expand. Mixed colors.

- 2935. Rhodanthé.** A lovely everlasting, either in the garden or for winter bouquets; flowers white, rose, crimson.

- 4340. Xeranthemum.** A hardy annual, 1 ft. high, bearing handsome, double flowers on long stems; colors mostly white, blue and purple; cut when fully developed. One of our best everlastings, and easily grown. Mixed colors.

Any of above, pkt., 5c; any 6 for 25c.

- 1592. Mixture** of many kinds, large pkt., 10c; 3 for 25c.

**Four O'Clock.** See Marvel of Peru. **Foxglove.** See Digitalis.

## FORGET-ME-NOT, MYOSOTIS. Vaughan's Early and Late Flowering.

- 1600.** This sort will bloom in eight weeks after sowing and will bring forth its lovely blossoms throughout the whole summer and fall and continue through the winter if taken up and potted. Borne on long, stiff stems, and of most exquisite sky-blue with a delicate white center. Forget-me-nots will, like other plants, respond to good treatment, but they succeed best with moisture and a somewhat shaded position. Pkt., 10c; 3 for 25c.

- 1602. Blue Alpine.** Pkt., 5c.

- 1603. White Alpine.** Pkt., 5c.

- 1604. Eliza Farnrobert.** Flowers large, sky-blue, with clearly defined yellow eye. Pkt., 5c.

- 1605. Victoria.** The flowers are large and of a bright azure-blue, with yellow centers. The plants form neat bushes completely covered with blossoms. Pkt., 10c.

- 1607. Dissitiflora.** One of the best of all the Forget-me-nots. It is of a remarkably compact habit and a profuse bloomer, having the appearance of a sheet of blue. Pkt., 10c.

- 1608. Ruth Fischer.** see novelties.

- 1609. Palustris.** The true Forget-Me-Not; beautiful blue flowers: 6 in. Pkt., 10c.

- 1610. Sempervirens.** A charming dwarf Forget-Me-Not, continuing in bloom from early spring until autumn; blue; 8 in. Pkt., 10c.

- 1615. Forget-me-Not.** Mixed. Pkt., 5c.

- Fuchsia.** 1620. These bloom the first year from seed if planted early. Double and single mixed. Pkt., 20c.





**GAILLARDIAS.** *Perennial Varieties.*

1630. These are undoubtedly among the choicest of hardy perennials; the flowers are large, very numerous, excellent for cutting and of the most brilliant shades of orange, crimson, scarlet and vermilion, and very often a combination of all these colors in one flower. Many colors. Pkt., 10c; oz., 60c.

**Kelway's Hardy Gaillardia.** 1631. This is to our knowledge the choicest strain of Hardy Gaillardias. The flowers are of enormous size, and the colors the most varied we have ever seen. Flowers for about three months. Our seed is from Kelway direct. Pkt., 25c; 3 for 65c.

**New Crimson Hardy Gaillardia.** *Grandiflora Maxima Kermesina Splendens.* 1632. A magnificent color; rich crimson center with a border of canary yellow. The flowers are immense, over 4 inches across and are borne on long stout stems. Pkt., 10c; 3 pkts. for 25c.

**"Sulphur Queen."** 1633. The most striking of the hardy Gaillardias. Flowers are of good size and substance, are borne on wiry stems and are excellent for decorations. The color is a pale sulphur-yellow with a bright maroon eye, giving the flowers a very distinct appearance. Pkt., 10c.

These Hardy Gaillardias are in bloom for 4 months and furnish abundance of the most showy and handsome cut flowers.

**ANNUAL GAILLARDIAS.**

1640. **Perfection.** The beautiful annual Gaillardia (*Lorenziana*) is undoubtedly one of the most valuable annuals we have for cut flowers. This variety produces very double flowers as round as a perfect ball, in the most varied colors, and are borne on long slender stems; when cut will keep over a week. Pkt., 5c; ¼ oz., 15c; oz., 40c.

1641. **Picta Josephus.** 15 in. A very desirable new annual, which produces its brilliant single flowers almost the entire summer. Color rich red in the center with a broad yellow band. Valuable for beds, borders and cut. Pkt., 10c.

**Gaura** 1645. *Lindheimeri.* H.P. 3 ft. A graceful plant, bearing numerous spikes of rosy-white flowers from July till frost. This is largely used throughout Europe for interspersing in beds of Begonias, Geraniums, etc., giving an air of grace to what would otherwise be stiff. Pkt., 20c.

**Gazania** 1646. *Hybrida.* H.P. 10 in. Showy plants, spreading out like a Verbena, and well suited for summer garden beds or vases, baskets, etc.; large single flowers, 2 to 3½ in. across, ranging from milk-white to chamolais, yellow or orange, zoned and spotted with violet, black or white, some with rose tips. Mixed colors, pkt. (15 seeds), 25c.

1647. **Splendens Hybrida Grandiflora.** From fine varieties; excellent for plants for pots and sunny borders. Pkt. (10 seeds), 25c.

**Gentiana** 1665. *Acaulis.* H.P. 10 in. Blue, Pkt., 10c.

**GERANIUM.**

These grow readily from seed and produce blooming plants the first summer. There is a great deal of pleasure in watching them develop from seed, and there is always the chance of securing something new and desirable in that way.

1655. **Splendid Mixed.** Planted early, they bloom the first summer. Pkt., 5c.

1656. **Zonale Varieties.** Saved from some of the finest collections; many choice and entirely new varieties may be expected. Pkt., 10c.

1657. **Lady Washington.** Pkt. (25 seeds), 20c.

1658. **Apple-Scented.** Fragrant. Pkt. (25 seeds), 10c.

1659. **New Large-Flowering.** The seed we offer here is saved from a splendid collection of large flowering Geraniums. They will bloom in 10 to 12 weeks from the time of sowing and the flowers should be equal to the best kinds. Pkt. (50 seeds), 15c; 2 for 25c.

**Gerbera Jamesoni.** 1662. H.H.P. (*Transvaal Daisy*.) Single daisy-like flowers, 4 inches in diameter, on stems 18 inches long. The color is brilliant scarlet. Requires protection in winter. Pkt. (25 seeds), 35c.

**Geum** 1663. *Coccineum Plenum.* H.P. 18 in. Flowers bright scarlet, double, last well when cut. Beautiful hardy perennial, bearing profusely large showy flowers all through the summer; an elegant flower for bouquets. Pkt., 10c.

1664. **Heldreichi.** Beautiful orange flowers, very free. Pkt., 10c.

**Gladiolus Praecox.** 1666. See Novelties.

**Glaucium Tricolor.** 1668. H.A. 30 in. (*New Horn Poppy*.) Its large, fine shaped flowers, 3 in. in diameter, are of the most brilliant orange-red with black or yellow spots at the base of each petal. The plants are continuously in bloom if sown in the open ground in early spring. Seeds are slow of germination. Pkt., 10c; 3 for 25c.

1667. **Luteum.** The old-fashioned yellow Horn Poppy. Pkt., 5c.

**GLOXINIA.**

Magnificent house blooming bulbous plants, with handsome bell-shaped flowers in a diversity of the richest colors. Our International mixture contains the finest European strains.

1674. **International Mixture.** The best strain in existence, Pkt., 25c

1673. **Fine Mixed.** Pkt., 10c.

**Godetia.** H.A. They are of a dwarf habit of growth, the flowers are of handsome shape in the most brilliant as well as delicate colors, and are produced in marvelous profusion. Of easiest culture.

1670. **Godetias.** Many sorts and colors mixed. Pkt., 5c; ¼ oz., 12c.

1671. **Dwarf Sorts, Mixed.** Every plant will form a neat little globular bush covered with pretty flowers. Pkt., 10c; 3 for 25c.

**Golden Rod.** (*Solidago Canadensis*.) 1675. H.P. The well-known golden-yellow favorite. Pkt., 5c.

**ORNAMENTAL GOURDS.**

Any of the following, pkt., 5c, except where noted.

These are desirable for many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 ft. in a season and the blossoms of some are quite striking and handsome. With all sorts the fruit is unique and ornamental, and often useful. The small, fancy Gourds are excellent toys for children, while the larger Gourds may be used as dippers, sugar troughs or bowls. Cultivate the same as Melons.

1685. **Towel Gourd, or Luffa.** Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

1686. **Sugar Trough.** They have thick shells which are very durable.

1687. **Dipper.** Makes an excellent dipper.

1688. **Japanese Nest Egg.** Resembling in color, shape and size the eggs of hens, and make the best nest eggs.

1689. **Hercules Club.** Grows 3 to 4 ft. long.

1690. **Large Bottle.** Handsome and useful.

1691. **Orange.** The well-known Mock Orange.

1692. **Pear Shaped.** Striped yellow and green.

1693. **Turk's Turban.** Most peculiar of all.

1694. **Spoon Gourd.** Small fruits with slender neck 4 to 5 in. long, brilliantly marked in green and orange with white on light-green stripes. The lower portion or half of the bowl is a rich dark green, while the upper half and neck are a bright orange-yellow. Fine for growing on trellises or fences, fruits freely. By slicing off a portion on the side of the bowl and drying the shell, a very satisfactory spoon may be made. Pkt., 10c.

1695. **QUEEN ANNE'S SWEET SCENTED POCKET MELON.** This is a great curiosity and useful fruit. Grows on trellises, makes a pretty vine and very showy fruit, which has a delicious perfume; carried in the pocket or laid on mantel or table, imparts a delicious fragrance; served with sugar, makes a dainty dessert. Pkt. (25 seeds), 5c.

1696. **Chinese Bottle.** See Novelties.

1697. **Mixed Gourds.** All the above and many others. Pkt., 5c; ¼ oz., 15c; oz., 25c.

1698. **Small-Fruited Gourds.** Many kinds, mixed. Pkt., 5c.

1699. **Gourd Collection.** 12 kinds, 30c.

1700. **Gourd Collection.** 6 kinds, 20c.

**GREVILLEA ROBUSTA, OR SILK OAK.**

1705. One of the quickest growing of ornamental house plants. It is easy to manage, grows rapidly from seed, and is pretty in all its stages of growth. With its long drooping, silky foliage it reminds one of a palm or fern. Pkt. (20 seeds), 10c.

**GYPHOPHILA, OR ANGEL'S BREATH.**

An annual that should be in every garden, for it thrives everywhere, and furnishes the loveliest material for all kinds of bouquets, either Sweet Peas, Roses, Carnations, or anything else.

1708. **Elegans Alba Grandiflora.** This is an improved, large-flowering, pure white form of the annual Baby's Breath, of free, easy growth, and grown by the acre in the suburbs of Paris and London for use with other cut flowers. Several sowings should be made during the season to keep up a supply. Per oz., 15c; pkt., 5c.

1709. **Elegans, Pink.** A delicate pink, splendid for carpeting in rose or lily beds. Pkt., 5c; ¼ oz., 10c; oz., 15c.

1712. **Paniculata (Baby's Breath).** Flowers white. A hardy perennial. Pkt., 5c.

1713. **Muralis.** Flowers pink; hardy perennial. Pkt., 5c.

**Hibiscus** 1770. **Giant Golden Bowl.** The flowers of this magnificent Hibiscus are from 6 to 9 in. in diameter. Their color is rich, deep cream, with a velvety maroon center. The plants grow from 3 to 5 ft. high, and bear from 10 to 20 of their gigantic bell-shaped flowers at one time. Pkt. (40 seeds), 10c.

**HIBISCUS.** 1771. **Crimson Eye.** These immense flowers of pure white, with a large crimson eye, often measure 7 in. in diameter, and a plant will often have as many as fifty of them. It blooms from seed the first year, sown in the open ground. A perennial, and lasts year after year. Pkt., 5c.

**FLOWERING HELIOTROPE PLANTS**

From Seed Sown in Spring.

It is but little known that seed sown in February and March will produce large flowering plants the first summer. Our mixture contains seeds from many named sorts and will produce fine plants with proper treatment. Cultural directions on each package.

1761. **Heliotrope.** Mixed. Pkt. (100 seeds), 5c.

**MAMMOTH FLOWERING HELIOTROPE.**

1762. Blooms from seed the first year, and as early as Sweet Peas or Balsams. Heliotrope will bloom as easily from seed as any of the common annuals. Pkt., 10c; 3 for 25c.

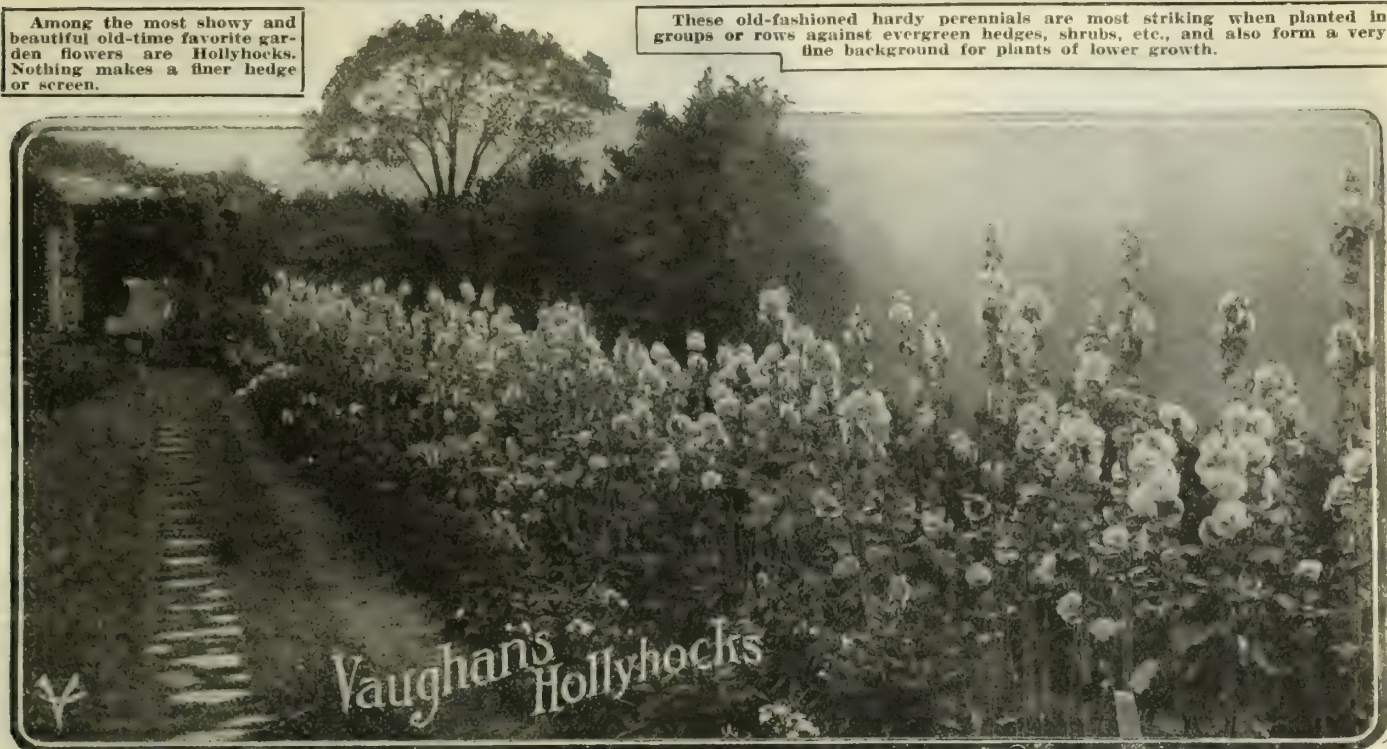
**Helichrysum.** (See Everlasting Flowers.)

**Helianthus.** (See Sunflower.)



Among the most showy and beautiful old-time favorite garden flowers are Hollyhocks. Nothing makes a finer hedge or screen.

These old-fashioned hardy perennials are most striking when planted in groups or rows against evergreen hedges, shrubs, etc., and also form a very fine background for plants of lower growth.



### HARDY HOLLYHOCKS.

OUR seeds of this type have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April May or June for next year's blooming.

For Roots, see Hardy Perennial Plant Department.

1800. Double Crimson. 1803. Double Deep Rose. 1806. Double White.  
1801. Double Blood-Red. 1804. Double Yellow. 1807. Double Black.  
1802. Double Pink. 1805. Double Salmon.

Each of above, pkt., 10c; any 3 for 25c; ¼ oz., 30c.

1812. Vaughan's Prize Hollyhocks. In the largest variety mixed; includes all the above named colors and others. Pkt. (100 seeds), 10c; ¼ oz., 25c.

1813. Double Hollyhocks. A good mixture. Pkt., 5c; ¼ oz., 20c.

1814. Single Hollyhocks. Our mixture contains many colors. Pkt., 5c; ¼ oz., 15c; oz., 45c.

### Mammoth Allegheny Hollyhocks.

1815. If sown early, blooms the first year from seed. A perpetual bloomer. The flowers are double, semi-double and single and the petals are fringed. The colors are shell pink, rose and red, a shade or two deeper at the center, and exquisitely tinted towards the edge. Pkt. (100 seeds), 10c; 3 for 25c.



**HYACINTH BEAN (Dolichos)**  
One of our best annual climbers.

### Hyacinth Bean.

H.H.A. 10 ft. A rapid growing annual climber, flowering freely in erect racemes, followed by ornamental seed-pods.

1835. Daylight. Large Wistaria-like racemes of snow-white, sweet-scented flowers, followed by silvery-white seed pods. This is a quick growing, vigorous plant. Pkt. (30 seeds), 5c; oz., 15c.

1836. Soudan. The twining stems are of intense purple color, and the beautiful long flowers, which are produced during the whole summer, are of a brilliant rose. The numerous pods are themselves an ornament to the plant, owing to their dark red color. Stands heat exceedingly well, and for covering walls, trellises, etc., will be found invaluable. Pkt. (25 seeds), 5c; oz., 15c.

1837. Hyacinth Bean. Mixed. Pkt. (20 seeds), 5c; ½ oz., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c.

### ANNUAL HOLLYHOCKS.

1820. This new strain possesses all the virtues of the double old-fashioned Hollyhocks with the additional advantage of blooming from seed the first year. Plants started from seed sown in March or April in the house or hot bed, transplanted in May into their permanent place, will bloom in August and continue until fall. The plants branch out freely and are not easily attacked by the Hollyhock fungus, therefore retain their fresh, bright green leaves until late. The flowers are double, semi-double or single. Pkt. (50 seeds), 10c; 3 for 25c.

### Everblooming Single Hollyhocks.

1821. A strain of quick-blooming Hollyhocks. Seeds sown under glass in March produce plants that flower in August and continue until cold weather. They are more vigorous at all stages than the usual type, sending out branches and developing buds at an increasing rate as the season advances. The flowers are single, and colors cover the whole range. Pkt. (100 seeds), 10c; 3 for 25c.

**Hollyhock Rust.** Hollyhock rust is the bane of every person who tries to grow hollyhocks. There is no remedy for it, but a great deal can be done toward preventing it and reducing the damage by spraying the plants with Bordeaux mixture. Spraying should commence as soon as the leaves show above ground, and should be continued until the flowering season, at intervals of two weeks. When the plant has flowered, spray until fall.

**Honesty.** (Moonwort, Satin Flower.) 1825. H. B. 2 ft. Admired for its silvery seed pouches, which are used for house ornaments; beautiful and curious. Mixed, pkt., 15c; ¼ oz., 25c.

**Variegated Japanese Hop.** 1829. T.A. 15-20 ft. There is no hardier climbing vine than the Japanese Hop, and for quick smooth resistance to drouth or insects it has no equal. This new sort possesses all the good qualities of its parent, and in addition has beautifully variegated foliage, splashed and streaked with white. Pkt., 10c.

1830. Green-Leaved Japanese Hop. One of the most rapid growing ornamental climbers. Pkt., 5c; ¼ oz., 10c.

**Bush Escholtzia, or Hunnemannia.** 1832. H.A. 18 in. This is a most beautiful plant and we want every one of our customers to plant at least one packet of it on the strength of our recommendation. The plants grow into a shrubby bush and produce large cup-shaped flowers 3 in. across on stems 12 in. long. The color is of clear, bright yellow, the petals are broad and crinkled, like crushed satin. The flowers keep in water for two weeks. Large pkt., 10c; ¼ oz., 20c.

1840. Ice Plant (Mesembryanthemum). T.A. 6 in. Suitable for rock work, hanging baskets, etc. Foliage thick, flowers frosted, wax-like. Pkt. 5c.

### Impatiens Suitani, Zanzibar Balsam.

1844. One of the prettiest plants for pot culture and also outdoor planting in a half-shaded situation; remarkable for long duration of bloom. It is very charming for winter blooming. When the plants are only a few inches in height they commence blooming, and continue through the entire season, sending out perfect masses of rosy flowers which are very lovely in contrast with the glossy green of the foliage. Pkt. (50 seeds), 10c.

**Impatiens Holstii.** 1845. 1½-2 ft. A new, very handsome variety. It forms elegant bushes and produces two to four flowers on each peduncle, and from three to five peduncles on the tops of the branches. The flowers (1½ in.) are of a brilliant vermilion color, a gorgeous coloring. Sown on heat in March, the seedlings may be planted out by the end of May and will be continuously in bloom from June until frost. Pkt. (50 seeds), 15c; 3 for 40c.

**Impatiens Holstii (New Hybrids)** 1846. In habit like Holstii, these new hybrids bring flowers in the following new colors: White with center, rosy white, deep purplish violet, orange vermillion, chamois and bright carmine. Are splendid for pots, borders or beds. Mixed colors. Pkt., 15c.

For a continuous bloom, either in the sun or partial shade, in the garden in summer and in the house in winter, these new Impatiens have no superiors.

**Ipomoea.** See Morning Glories.



**Incarvillea Grandiflora.** 1850. H. P. 1 ft. The plant has large flowers of a rich intense carmine, toned with magenta. Internally the flower is conspicuous by a twice or thrice twin line of white, merging into the palest yellow low down in the tube. Pkt., 20c.

**Ionopsidium, or Diamond Flower.** 1853.

H. H. P. A charming little flower for pot culture. Seeds sprinkled in a pot will bloom in a month. If scattered around on pots in which other plants are growing they will make a most charming effect. White and violet flowers. Pkt., 5c.

**IRIS. Kämpferi (Japanese Iris.)**

1860. This is one of the showiest of the "Flags" and now extensively used in the hardy garden. The seeds we offer have been saved from an unrivaled collection, and should produce only varieties of the highest merit. Blooms the second year from seed. Pkt., 10c. (For immediate results it is necessary to get roots of Japanese Iris. See list under the head of Hardy Perennial Plants.

**Kenilworth Ivy.** 1862. H.P. Lavender and purple. A charming small, neat, hardy perennial trailing plant, suitable for baskets, vases, pots and rockwork. Pkt., 5c.

1863. **Alba.** Very pretty new variety of the above, with light-green, glossy foliage and pure white flowers. Pkt., 10c.

**KOCHIA, OR "BURNING BUSH." (Kochia Tricophylla.)**

1865. H.A. A highly ornamental annual of rapid growth which forms regular pyramids about 3 feet high, having a cypress-like appearance. The leaves are slender and of a light pea-green until September, when they change to carmine and blood-red. Its bright autumn coloring has given it two other names: "Mexican Fire Plant" and "Burning Bush." The flowers are minute but countless. Sow indoors in April and plant out in May, or sow in open ground about May 1st. Plants do best in a sunny exposure. Pkt., 10c; ½ oz., 25c.

**Lantana.** 1870. Dwarf Compact Bedding Hybrids. H.H.P. Of dwarf and compact growth they will be found a great improvement upon the older sorts and a splendid acquisition to our list of window and garden flowers. Pkt. (25 seeds), 10c.

1871. **Lantana Hybrida.** A very pretty perennial plant, suitable for outdoor use in summer and for house culture. Flowers Verbena-like in many colors. Pkt., 5c.

**LARKSPUR OR DELPHINIUM. Perennial Varieties.**

The hardy varieties are of bewitching beauty in the perennial borders or among shrubs. The brilliant flower spikes can be seen from a distance and are strikingly effective. If sown early many of the plants will bloom the first year. The plants will bloom almost continually if the blooms are removed as they fade.

1883. **Caucasicum.** Magnificent new sky-blue. Pkt., 10c.

1872. **Cashmerianum.** 15 in. Spreading, many-branched; flowers often 2 in. wide; deep purplish blue; superb. Pkt., 15c.

1873. **Chinense.** 3 ft. A distinct and neat variety, with fine feathery foliage, and producing freely spikes of large blossoms, varying in color through all the delicate shades of blue. Pkt., 5c; ½ oz., 15c.

1874. **Chinense.** White. Pkt., 5c; ½ oz., 15c.

1875. **Chinese Mixed.** The stems have many lateral branches, with large flowers ranging from pure white to deep indigo-blue. Young seedlings will bloom from midsummer until Fall. Pkt., 10c.

1876. **Formosum.** 3-4 ft. Brilliant blue, white center; especially fine and attractive. ½ oz., 25c; pkt., 10c.

1877. **Formosum Giganteum.** See Novelties.

1878. **Pillar of Beauty (Formosum Coelestinum).** 3 ft. One of the handsomest of hardy perennials; flowers very charming delicate blue. Pkt., 10c.

1879. **Double Flowering Hybrids.** 3 ft. Flowers large and double. A splendid cut flower and ornamental plant. Many shades of colors in finest mixture. Pkt., 15c.

1881. **Nudicaule.** 1 ft. The only pure bright scarlet. Dwarf and compact in growth, with flower stems of fine length. A native of California. Pkt., 20c.

1882. **Sibericum Hybridum.** 18 in. New, blue shades, very fine. Pkt., 10c.

1888. **Speciosum Glabratum.** New, blue. Pkt., 10c.

1884. **Zaill.** 3 ft. Sulphur yellow, one of the most beautiful hardy perennials; the flowers resemble the finest Orchids. Pkt., 15c.

1885. **Fine Mixed** similar varieties. Pkt., 5c; oz., 40c.

1886. **Burbank's Selection.** See Novelties.

1887. **"Vaughan's Special" Mixture of Perennial Larkspur** includes the above sorts. This mixture is very valuable for its great variety

in shades of color, which range from yellow to pure white; from the palest and most chaste lavender up through every conceivable shade of blue to deep indigo; and for the variety of size and form of their individual blooms, some of which are single, some semi-double, and some double. Pkt., 25c.



*Kochia, or Burning Bush.*

**Bedding Queen.** 1940. This is undoubtedly the most magnificent of the dwarf Lobellias. The habit of the plant is very dwarf and compact, forming handsome little bushes which are entirely covered with large flowers of the deepest purple, contrasting most charmingly with the pure white eye. Its freedom and duration of bloom is remarkable, the flowers lasting until late in the fall. The best Lobella for carpet beds, borders and pots. Pkt., 10c; 3 for 25c.

1942. **Emperor William.** Dwarf, dark blue. Pkt., 5c.

1943. **Crystal Palace.** (Compacta.) 6 in. Deep blue, dark foliage; the best bedding sort. Pkt., 10c; ½ oz., 25c.

1944. **Speciosa.** Dark blue, best for hanging baskets. Pkt., 5c; ½ oz., 15c.

1945. **White Gem.** Grand sort for ribbon and carpet bedding and for pots. Pkt., 10c; ½ oz., 20c.

1946. **Mixed Colors.** Pkt., 5c; ½ oz., 15c.

1947. **Hamburgia.** One of the prettiest. Pkt., 10c.

1950. **Cardinalis (Cardinal Flower).** 3 ft. A native variety, with spikes of brilliant scarlet flowers; fine border plant. Pkt., 10c.

1951. **Queen Victoria Hybrids.** 3 ft. Flowers large and resemble Cardinals, but are splendid shades of rose, red, lilac, purple, etc., in bloom from July to October. Pkt., 25c.

**Lophospermum.** 1960. **Scandens.** 10 ft. Highly ornamental annual climber, showy rosy-purple foxglove-like flowers. Pkt., 10c.

**Lupinus.** Annual. Ornamental free-flowering, easily-grown annual, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for mixed flower borders and beds.

1965. **Tall Sorts, mixed.** Pkt., 5c; oz., 15c.

1966. **Dwarf Sorts, mixed.** Pkt., 5c; oz., 15c.

1967. **Subcarnosus (The Deep-Blue Texan Lupin).** Lovely spikes of the deepest sea-blue flowers; delicately fragrant. Pkt., 5c.

1970. **Arboreus, Snow Queen.** This hardy perennial variety will be found a great acquisition to gardens. It forms dense bushes about 4 feet high, completely clothed to the ground with elegant racemes of snowy white flowers. Pkt., 15c.

**Lychnis.** (Burning Star.) Grand hardy perennials, which grow and bloom year after year, requiring no protection.

1980. **Chalcedonica.** Intensely bright scarlet. Pkt., 5c.

1981. **Haageana.** 1 ft. Brilliant orange, scarlet, crimson, etc., in mixture. Pkt., 10c.

1982. **Haageana hybrida.** White, rose, vermillion, etc. Pkt., 5c.

1983. **Sieboldi.** Very fine, white. Pkt., 5c.

**Lythrum.** 1990. **Roseum Superbum (Rose Loosestrife).** 3 ft. A very pretty hardy perennial; produces spikes of rosy flowers from July to September. Pkt., 10c.

**ANNUAL LARKSPUR.**

Sow seed in the open border, either in spring or fall, so that germination may take place very early in the spring. As the seedlings grow, thin them to stand 6 to 18 inches apart, according to variety. The shades of color include light, dark and azure-blue, white, buff, rose, apple-blossom, pink, brick-red, red-lilac, dark lilac, violet and fawn.

1890. **Giant Hyacinth-Flowered.** 3 ft. This hardy annual derives its name from the striking resemblance of the flowers to a double Hyacinth. The colors are both brilliant and delicate. Mixed. Pkt., 10c; 3 for 20c.

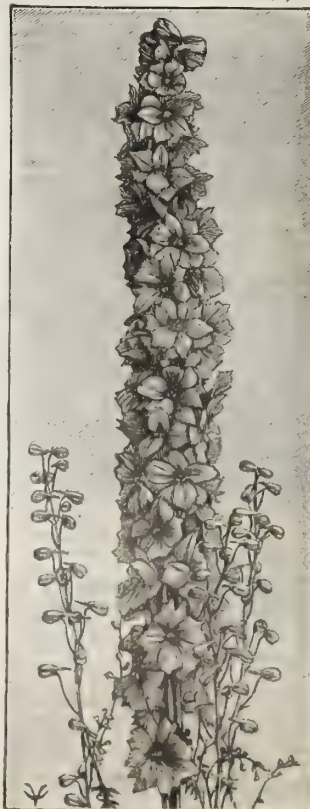
1891. **Emperor.** 2 ft. Produces an abundance of long, slender flower spikes in the most delicate colors. Many colors mixed. Pkt., 5c; ½ oz., 10c.

1892. **Emperor, Branching White.** Beautiful for cutting. Pkt., 5c.

1893. **Double Dwarf Rocket.** Mixed. 1 ft. Pkt., 5c; ½ oz., 10c.

1894. **Double Tall Rocket.** Mixed. 2 ft. Pkt., 5c; ½ oz., 10c; oz., 30c.

1895. **Newport Pink.** 2 ft. A rose-colored and very beautiful free-flowering sort. If sown outdoors in spring it will bloom by first of August. Pkt., 10c.



*Type of Perennial Larkspur.*



## MARIGOLD.

The Marigolds are old favorite free flowering annuals of easy culture. They light the garden with a glitter of yellow far into the frosts of autumn. The tall varieties have uniformly large yellow or orange-colored flowers, and are well adapted for large beds or mixed borders. The dwarf varieties make a fine border for taller sorts, and both are effective when planted in groups or in garden borders.

### AFRICAN, OR TALL VARIETIES.

- Plants grow 2½ ft. high and produce large double flowers 2½ to 3 in. in diameter.
2010. **Eldorado.** 3 ft. Immense flowers, 9 to 14 in. around; double; primrose, lemon, orange and golden shades. Pkt., 5c; ¼ oz., 10c.
2011. **Lemon Queen.** 18 in. Flowers are very large and double. Pkt., 5c.
2012. **Orange Queen.** Rich orange, large. Pkt., 5c.
2013. **Pride of the Garden.** Immense flowers, double. Color golden yellow. Compact, dwarf habit forming dense bushes 15 to 18 ins. high. Pkt., 10c.
2014. **Imported Collection of African Marigolds.** 6 colors. Pkt., 20c.
2015. **Double African Marigold.** Pkt., 5c; ½ oz., 15c; oz., 25c.
2016. **Vaughan's Special Mixture of Double Tall African Marigold.** Pkt., 10c. Includes all the best colors; made up from separate sorts.

### FRENCH DWARF VARIETIES.

These dwarf compact strains are very attractive, each plant being covered with hundreds of small bright flowers.

2018. **Legion of Honor.** 9 in. One of the prettiest and handsomest of the Marigolds. They are insect and drought proof and will bloom from the middle of summer until late in fall. Flowers rich golden-yellow, marked with velvety brown. Pkt., 5c.
2019. **Dwarf Gold Striped.** Velvety maroon, striped gold. Pkt., 5c.
2022. **Double French Marigold, Mixed.** Pkt., 5c; ½ oz., 15c; oz., 25c.
2023. **Imported Collection of French Marigolds.** 6 colors. Pkt., 20c.
2026. **Vaughan's Special Mixture Dwarf Marigolds.** Pkt., 10c. See also Calendula, page 63

### MARVEL OF PERU, OR FOUR O'CLOCKS.

This is another good old-fashioned flower, bearing hundreds of flowers during the season, of white, yellow, crimson and violet, some varieties combining two or more of these colors in spots, flakes and splashes in such manner as to give the flowers a most "bizarre" effect.

2034. **Four O'Clocks, Mixed.** Includes variegated leaved sorts. Pkt., 5c; oz., 10c; ¼ lb., 20c
2035. **Sweet Scented.** (Longiflora.) Flowers white and very fragrant. Pkt., 5c.
2036. **Variegated-Leaved Sorts.** In finest mixture. Pkt., 5c; oz., 15c.
2037. **Dwarf Sorts.** 12 in. These are fine plants, covered with flowers. All colors mixed. Pkt., 5c; oz., 15c.



Type of Vaughan's African Marigolds.

- Martynia.** 2031. H.H.A. 18 ins. A plant with singular seed vessels, used for pickles. Pkt., 5c.
- Matricaria.** 2045. **Double Feverfew.** H.A. 2 ft. Lovely little plants with double white flowers and pretty curled foliage. Pkt., 5c.
2046. **M. Capensis Plenissima.** A fine strain of this double white Feverfew, so well adapted for bedding and cutting. Pkt., 10c.
2047. **Matricaria, Golden Ball.** 1 ft. A beautiful hardy perennial of compact habit, suitable for beds or borders, with very striking double yellow flowers. Pkt., 10c.
- Mathiola.** 2050. 15 in. A charming hardy annual, which begins to flower in June, lilac-pink; sweet. Pkt., 5c.
- Maurandya.** 2055. G.P. 10 in. This vine is better than any of the Ivies for the window garden and almost equal to Smilax in delicate beauty. It is hardy even out of doors and needs no extra care to succeed inside. It blossoms profusely, is easily grown from seed and roots readily from cuttings. Mixed colors. Pkt., 10c.
- Melanthus.** 2060. **MAJOR (The Honey Flower).** G.P. 5 ft. Foliage plant for sub-tropical gardening, being a fitting companion to Cannas, etc. Pkt., 15c.
- MELOTHRIA PUNCTATA.** (Climber.) H.A. 10 ft.
2063. A very pretty climbing Gourd. The foliage is elegantly cut of a shiny dark green color; the flowers white and sweet scented, followed by light green fruits of the shape and size of gooseberries. Pkt., 10c.

## MIGNONETTE.

**Vaughan's Giant Machet Mignonette.** 2070. There is no Mignonette which can equal this. Its flowers are larger in every way than those of other sorts, the spikes are very dense, its foliage is distinct, being crinkly, while its odor is strong and most delicious. The plants grow in handsome bush form and the flower spikes borne on stiff wiry stems. It is the **Best Mignonette** for all purposes, either for pots or for the garden. It is an



**Everbloomer**, the flowers lasting until late in the fall. We supply this sort largely to our florist customers. Our seed is grown with the most scrupulous care and it gives entire satisfaction. Do not fail to get **Vaughan's Giant Machet** for sowing in your garden and another package to sow in pots in June or July to bloom next winter. Pkt., 10c; 2 for 15c; ½ oz., 40c; oz., 65c.

**Goliath.** 2071. Fine pyramidal bushes, foliage rich green, contrasting strikingly with the bright red flowers. Flower stalks tall and strong, spikes often 7 ins. long by 2 ins. in diameter. Pkt., 10c; ¼ oz., 30c.

2072. **Large-Flowering Pyramidal.** Flowers very sweet, stems large and stiff. One of the best for cut flowers. Pkt., 5c.
2073. **Grandiflora.** Large-flowered. Pkt., 5c; oz., 10c; ¼ lb., 25c.
2074. **Parson's White.** Distinct, almost white. Pkt., 5c.
2075. **Gabriele.** Very sweet; spikes very thick; one of the best. Pkt., 5c.
2076. **Golden Queen.** Golden flowers. Pkt., 5c.
2077. **Mixture of Many Sorts.** Pkt., 5c; ½ oz., 10c; oz., 15c.
2080. **Giant White Spiral.** Very long white spikes, produced in great abundance; a most excellent cut-flower. Is not fragrant. Pkt., 5c.

**New York Market.** 2081. 2-3 ft. This is an extra choice strain of Mignonette for greenhouse culture. Our seed is greenhouse grown, raised by a most careful grower. The plants produce flower spikes up to 20 inches long, according to the quality of the soil, weather and treatment. The seed is all saved from selected plants growing from 2 to 5 shoots to a plant and form spikes measuring from 10 to 18 inches long. Pkt., 50c.



Vaughan's Giant Machet Mignonette.



## MORNING GLORIES.

The Morning Glory is too well known to need a description, and one seldom finds a more satisfactory vine. The amateur gardener can be sure of a fresh supply of bright colored, delicately tinted flowers. Succeed under almost any circumstances.

**2110 Morning Glory.** Imported collection of 8 distinct colors. **20c.**

**2111 White, 5c. 2112 Blue, 5c. 2113 Crimson, 5c. 2114 Striped, 5c.**

**2115 Morning Glory (Convolvulus Major).** Mixed. **Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.**

### LARGE-FLOWERED MORNING GLORY, ROCHESTER.

**2118** This grand Morning Glory is remarkable for the large size and beautiful color of the flower. Vines strong, growing quickly twelve to twenty feet high, with magnificent foliage, leaves measuring from eight to ten inches across, and remaining on the vines close to the ground during the entire summer. Flowers four to five inches across, deep violet-blue in the throat; blending out to an azure-blue, bordered with a wide white band around the edge. The flowers form in clusters of from three to five, from the ground to the top of the vines. **Pkt., 10c.**

### BRAZILIAN MORNING GLORIES.

**2119 Ipomœa setosa.** A most interesting climber, with rose-colored flowers from three to four inches in diameter, and leaves eight to twelve inches across. It presents a remarkable appearance, branching in all directions, and intertwining so as to make it impenetrable to the sun's rays. The large seed-pods, with short, reddish hairs on the stems, make it unusually ornamental and attractive. After planting pour on scalding water. **Pkt., 10c.**

**2120 Heavenly Blue.** Foliage very large, heart-shaped; flowers 4 to 5 in. across, in large clusters and produced in such abundance as to nearly hide the foliage. Color, most magnificent sky-blue. **Pkt. (10 seeds), 10c.**

**2121 Leari.** Satiny-blue, crimson bars. **Pkt. (12 seeds), 10c.**

**2122 Bona Nox (Evening Glory).** Violet; flowers large and fragrant, especially in the evening. **Pkt., 5c.**

**2123 Mauritanicus.** For hanging baskets. Beautiful blue flowers. **Pkt., 5c.**

**Dwarf or Bedding Morning Glories.** **2126 (Convolvulus Minor).** This plant should be better known. The plants grow about 1 ft. high; flowers possessing all the richness of color peculiar to the Climbing Morning Glory. Grow very easily from seed, and are covered with flowers throughout the whole season. **Pkt., 5c; oz., 15c.**

**2129 Japanese Morning Glory.** A good mixture. **Pkt. (50 seeds), 5c; ½ oz., 10c; oz., 15c; 2 ozs., 25c; ¼ lb., 35c; lb., \$1.00; postpaid.**

Vaughan's Japanese Morning Glory.

Vines for immediate effect from seed: Morning Glory, Moon Flower, Nasturtium, Cypress, Japanese Hop, Balloon, Allegheny, Canary Bird, Gourds, Balsam, Coccinea, Cobaea, Dolichos, Scarlet Runner, Mina, Wild Cucumber, Passion Flower.

## Vaughan's "Special Mixture" of Japanese Morning Glories.

**2130.** The variety of color is infinite, running from snow-white through all possible shades of blue and of red from palest pink to darkest reds and purples. Flowers are streaked, mottled, striped, marbled and bordered in wonderful fashion and sometimes show rare shadings of ash-gray, bronze, terra cotta, brown and slate-blue, colors rarely found in any other flowers. The leaves are also very handsome; some are ivy-like, others are heart-shaped, some are rich green, while others are streaked and marbled with white and silvery gray or yellow; others, with choicest flowers, have rich golden leaves. The seeds germinate a little slower than those of the common Morning Glory, and it is well to soak them in water for twenty-four hours before sowing. This mixture contains a finer and larger collection of colors, with larger flowers, more frilled than the ordinary mixture. **Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., \$1.00; lb., \$3.00.**

**2124 Star Morning Glory.** An addition to this well-known family from Japan; grows and blooms like other Morning Glories, but the flowers have a well-defined star in each blossom. **Pkt 5c.**

**2125 Double Mixed.** The flowers are double and semi-double, and some are fringed, which give an appearance of a double flower; mixed colors. **Pkt 5c.**

**Mimosa.** **2090 Pudica.** 1½ feet. Curious and interesting annuals, with pinkish-white flowers; the leaves close and droop when touched or shaken. **Pkt., 5c.**

**Mimulus.** Hardy perennials, thriving best in rather moist situations; those grown for the beauty of their flowers are better when treated as half-hardy annuals. If sown early on warm borders they will flower the first year.

**2094 Tigrinus Hybridus fl. pl.** It grows about 8 in. high, is remarkably free blooming; flowers are double, and shade in color through pale yellow (golden, flesh, rose, crimson and maroon, handsomely blotched and marked. **Pkt., 10c; 3 for 25c.**

**2095 Single Monkey Flower.** A showy variety with fine, blotched flowers. **Pkt., 5c.**

**2093 Mimulus moschatus (Musk).** 1 ft. Well-known popular **Mina Lobata.** **2097** 12 ft. A charming Mexican Climber, with tube-shaped flowers, produced in the greatest profusion. In color they are particularly attractive, the buds being first of a bright red, but changing through orange-yellow to creamy-white when fully expanded. The foliage is very handsome, dense and luxuriant; of vigorous growth. **Pkt. (20 seeds), 10c.**

**Mina Sanguinea.** **2098** Vines 20 to 30 ft. One of the most beautiful annual Climbers in our list; a very profuse and early bloomer. The leaves resemble oak leaves, and the flowers are borne in large clusters. Blood red, yellow throat. **Pkt. (25 seeds), 5c.**

I wish to state that I have purchased my flower seeds, vegetable seeds, bulbs, flowering vines and shrubs from Vaughan's Seed Store for many years. I attribute the greater part of my success to the good quality of your seeds.

MRS. J. WILLIAMS.

Prize Winner in Chicago Tribune Garden Contest, 1908. Box and Porch Display.

**Molucca Balm.** **2100 (Molucella laevis).** Grows from 2 to 3 ft. high, sending up a strong central stem with numerous branches, completely surrounded by flowers, leaving scarcely any room for leaves. Its large shell-like calyx is green and delicately veined, containing within it the small corolla, white, striped with purple. **Pkt., 10c.**

(Ealsam Apple). See page 62.

**Monarda.** Fine hardy perennials of free growth, about 3 ft., with aromatic foliage, and bright flowers in July and August.

**2103 Didyma.** Intense crimson-scarlet. **Pkt., 15c.**

### MOON FLOWER.

**2106 (Ipomœa Grandiflora Alba or Noctiflora).** Will grow thirty to forty feet in a single season and be covered with its large, white flowers every evening and cloudy day. The hard outer coat of the seed should be cut through with a sharp knife, care being taken not to cut any deeper than the hard shell, and the seed planted about 1 in. deep in moist soil in a box or pan and set in a warm place. If the soil be kept moist, germination will take place in about 2 weeks. After the plants are up, plant outdoors in a sunny situation when danger from frost is past. **Pkt. (10 seeds), 10c.**

**Pink Hybrid Moonflower.** **2107** This Moonflower is of marvelous growth. Seeds germinate very quickly and plants begin to bloom about as soon as Morning Glories. The blooms are produced by the thousands all summer and fall. The vines make a most rapid growth and cover more space than any other Moonflower or other annual vine. It branches freely and its foliage is dense, luxuriant and of large size, often measuring 7 ins. across. In color they are of a most exquisite soft lilac-pink. Will succeed wherever a Morning Glory will. **Pkt. (15 seeds), 10c; 3 for 25c.**

**Musa Religiosa.** (The best of all Bananas.) **2110.** Fetich Banana. Large, erect pale green leaves with short extremely thick blackish-brown petioles. The leaves are of a very solid texture, resisting the wind without being torn. **Pkt. (6 seeds), 25c; 2 pkts. for 40c.**

**2102 Ensete, Abyssinian Palm.** **Pkt. (10 seeds), 20c.**

**Myosotis.** See Forget-me-not, page 69.





## NASTURTIIUMS, TALL OR CLIMBING.

For ease of culture, duration of bloom, brilliancy of coloring, Nasturtiums are unexcelled. The tall sorts are luxuriant climbers for verandas, trellises, fences, etc. They specially are adapted to the covering of unsightly railings and to trail over rough ground. The seed pods can be gathered while green and tender for pickling.

**PRICE:** Any of the following sorts, except where otherwise noted. Large pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c; postpaid.

- 2200 *Asa Gray*. Pale sulphur yellow, very free blooming.
- 2201 *Atropurpureum*. Crimson, rich and velvety.
- 2202 *Black Prince*. Velvety black purplish-crimson.
- 2203 *Brilliant*. Intense scarlet, dark foliage.
- 2204 *Cardinal*. Scarlet, dark foliage.
- 2205 *Chameleon*. On one and the same plant are found self-colored flowers, others stained and blotched on a clear ground, while others are broadly edged or banded with light or dark shades.
- 2206 *Coccineum*. Bright scarlet.
- 2207 *"Coquette."* In size of flowers, brilliant blending, and diversity of colors on the same plant, it is a great improvement over the popular French "Chameleon." The flowers vary so greatly from each other that it is almost impossible to find any two that are alike. It produces every color known in Nasturtiums. A hedge of row trailing on the ground will be a source of constant delight all summer long. Pkt., 10c; oz., 15c; ¼ lb., 40c; per lb., \$1.25, postpaid.
- 2208 *Crown Prince of Prussia*. Deep ruby-garnet.
- 2209 *Dunnett's Orange*. (Sunlight), bright orange.
- 2210 *Edward Otto*. Brownish lilac.
- 2211 *Firefly*. A very distinct sort; foliage rich and dark; flowers rosy salmon, underlaid with bright golden yellow. The petals are beautifully marbled and striped carmine.
- 2212 *Giant of Battles*. Sulphur, spotted red.
- 2213 *Golden Cloth*. Scarlet flowers, yellow foliage.
- 2214 *Heinemann*. Chocolate color.
- 2215 *Hemisphericum*. Straw color, with rosy scarlet blotches.
- 2216 *Ivy-leaved*. Fine deep blue-green, ivy-like foliage and dark blood-red fringed flowers. Pkt., 10c; oz., 20c.
- 2217 *Jupiter*. This variety from California is of strong running growth and bears large, rich golden-yellow flowers of the finest form.
- 2218 *King of the Blacks*. Deepest crimson maroon, with darker markings.
- 2219 *King Theodore*. Rich, deep crimson; dark leaves; most striking variety of its class.
- 2220 *Lightning*, see novelties.
- 2221 *Marguerite*. Very dark foliage, with purple stems. Flowers rich deep yellow; striped, blotched and marbled with bright shades of rich brown, orange and carmine.
- 2222 *Napoleon III*. Golden yellow, with brown blotches.
- 2223 *Pearl*. (Moonlight), whitish.
- 2224 *Primrose*. Fine primrose-yellow. Each petal has a small dark brown blotch, and upper petals are lined with the same shade in the throat; the petals are long and narrow, making a loose open flower.
- 2225 *Prince Henry*. Light yellow, marbled scarlet.
- 2226 *Princess Victoria Louise*. This is surely one of the most beautiful and remarkable varieties of climbing Nasturtiums. The large flowers are cream-white, with orange scarlet blotches, the calyx and the spur being of a pure orange-red.
- 2230 *Queen Wilhelmina*, see novelties.
- 2231 *Regelianum*. Rich crimson, one of the best.
- 2232 *"Rose Queen."* (Virchow.) The flowers are very large, perfectly round, fragrant, and being borne on long stems make most desirable cut flowers. Pkt., 10c; oz., 15c; 2 oz., 25c.
- 2233 *Scheuerman*. Straw color, spotted.
- 2234 *Scheuerman Coccineum*. Scarlet striped.
- 2235 *Shilling*. Bright yellow, maroon blotches.
- 2236 *Spitfire*. Bright scarlet; very floriferous.
- 2237 *The Queen*. The flowers when opening are a brilliant salmon-orange, passing into a lighter hue. A very pleasing and pretty kind.
- 2238 *Vesuvius*. Salmon rose, dark leaved, extra.
- 2239 *Von Moltke*. Bluish rose.
- Tall Collection No. 1.** 2240 Ten varieties, our choice, one pkt., each, 35c. Net.
- Tall Collection No. 2.** 2241 Ten varieties, our choice, one oz., each, 75c. Net.
- 2242 *Mixed Tall*. Of many bright colors; very effective when planted in long rows or masses. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.
- 2243 *Lobb's Finest Mixed*. This mixture is composed of the finest and most distinct varieties in this grand free-flowering type. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

### HYBRIDS OF MADAM GUNTHER. *Vaughan's Improved Strain.*

2244 For richness and variety of colors these Hybrids have no equals among Nasturtiums. It is impossible to describe all the different colors, but some of the most striking are as follows: White, shaded carmine, with deep maroon throat; golden-yellow, shaded brown on edges; yellow, shaded and mottled with carmine; white, with red blotches; shrimp pink, with deep maroon throat; bright rose, bright yellow, orange, etc. Large pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

VAUGHAN'S SPECIAL MIXTURE OF  
**CLIMBING**  
**NASTURTIIUMS.**

2245 We call especial attention to this mixture. In it will be found all the choicest colors of the tall Nasturtiums, the rich, velvety Lobb varieties, the Canary Bird Creeper, the new hybrids of Mad. Gunther, Coquette and the new Variegated leaved sorts. These climbing Nasturtiums are admirably adapted to covering verandas, trellises and tree trunks, and are useful and handsome as cut flowers for bouquets, vases, buttonholes, etc. Price, large pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; lb., \$1.50, postpaid.





# VAUGHAN'S DWARF NASTURTIIUMS.

THERE are few flowers that compare with Nasturtiums in richness and variety of colors, freedom of bloom, ease of culture and general usefulness. They are suitable for bedding and handsome climbers, grow quickly, thrive in the poorest soil, and furnish the greatest abundance of long-lasting, sweet-scented cut flowers.

**PRICE:** Any of the following sorts, except where otherwise noted. Large Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 25c, lb 75c. Postpaid.

**2250. Aurora.** Deep Chrome yellow, the two lower petals blotched and veined carmine.

**2251. Beauty.** Scarlet, splashed canary.

**2252. Bronze.** Dark rich flowers and foliage.

**2253. Chameleon.** This Nasturtium is a most remarkable advance in this brilliant family. We find that in richness and variety of colors it surpasses any other strain, and is also unique in bearing flowers of quite distinct colorings on one and the same plant—some clear, deep crimson, others blotched on light ground, and others beautifully mottled. Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 50c.

**2254. Crystal Palace Gem.** Sulphur, maroon spots.

**2255. Empress of India.** A splendid variety, very dark leaves, crimson flowers.

**2256. Golden Cloth.** Distinct and striking. The foliage is of a bright yellow, while the flowers are intense scarlet.

**2257. Golden King.** Brilliant yellow.

**2258. "Ivy-leaved" Golden Butterfly.** The plant is dwarf in habit of growth, having deep-green leaves of the distinct ivy-shaped form. These attractive bushes bloom very early and become quickly covered with bright golden-orange self-colored flowers. The flowers are beautifully fringed at edges of the petals and at the throat. At a little distance the plants present the appearance of numberless "Golden Butterflies" fluttering upon a bush of ivy—hence the name. Pkt 10c, oz 20c.

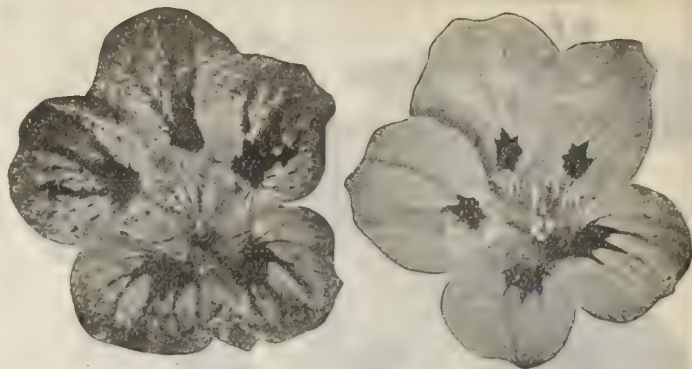
**2259. Ivy-Leaved Princess.** A companion to the one above. Pkt. 25c.

**2260. Ivy-Leaved Mixed.** This mixture contains a most remarkable range of colors. There are colors and color-combinations that are not found in any other strain of Nasturtiums. Every one who loves Nasturtiums should plant this. Pkt 10c, oz 20c.

**2261. King of Tom Thumbs.** Intense deep scarlet flowers, dark foliage.

**2262. King Theodore.** One of the best dark red sorts, with dark, bluish-green foliage.

**2263. Lady Bird.** The ground color is a rich golden-yellow; each petal is barred with a broad vein of bright ruby crimson.



## DWARF NASTURTIIUM TYPES.

**2264. Liliput Mixed.** A very special selection of this distinct and free blooming class; each plant forms a small, compact bush, with an immense number of small blooms thrown well above the foliage, and as a bedding plant is far before the Tom Thumb varieties. This selection contains as many as 30 or 40 shades. Pkt 5c,  $\frac{1}{2}$  oz 10c, oz 15c,  $\frac{1}{4}$  lb 50c.

**2265. Pearl.** Creamy white.

**2266. Prince Henry.** Brilliant Golden yellow, spotted and marbled with scarlet, with dark green foliage.

**2267. "Queen of Holland."** This is a mixture containing a very large percentage of the rarest colors and shades on plants with dark foliage. While the flowers are not as large as those of the regular type of Nasturtiums they are produced in vastly greater numbers. Pkt 10c,  $\frac{1}{2}$  oz 25c.

**2268. Queen of Tom Thumbs. Silver Variegated Foliage.** This charming novelty produces flowers of a rich bright crimson which forms a very pretty contrast to the silver variegated foliage, and is a strikingly handsome and useful bedding or pot plant, even before coming into bloom; it is very free flowering and produces 90 per cent with true variegated foliage. It is very dwarf and compact, and is a great acquisition as a bedding plant. Pkt 10c.

**2269. Ruby King.** Peculiar blue-tinted red.

**2270. Scarlet King.** Brilliant scarlet.

**2271. Vesuvius.** This is the "Tom Thumb" variety of the tall climbing Nasturtium "Vesuvius." It produces dwarf, compact bushes covered with large flowers of a beautiful and brilliant salmon pink, an extremely bright color, showing off well at a distance.

**2272. Dwarf Nasturtium. Mixed.** Many colors.

Pkt 5c, oz 10c,  $\frac{1}{4}$  lb 20c, lb 70c, postpaid.

**PARK COLLECTION No. 1.** 2273. Ten varieties of Dwarf Nasturtiums, our choice. One Pkt, each, 35c.

**PARK COLLECTION No. 2.** 2275. Ten Dwarf Nasturtiums, our choice 1 oz each for 75c. Net, without discount.

**SPECIAL OFFER No. 76.** One packet each. Tall and Dwarf "Special" Mixture Nasturtium for 15c, 1 oz, each, 25c,  $\frac{1}{4}$  lb, each, for 75c, all postpaid.

## VAUGHAN'S SPECIAL MIXTURE OF DWARF NASTURTIIUMS

**2280. Dwarf Nasturtiums** are most admirably adapted to beds and borders. "Vaughan's Special Mixture" of Dwarf Nasturtiums will give a larger variety of colors in even proportions than any other Nasturtium mixture, for it is put up by ourselves from named sorts, and also contains a large share of the Liliput Nasturtium and of the Dwarf "Chameleon," which have the richest and most varied combination of colors ever produced, showing odd colors hitherto unknown among flowers. Price, large pkt 10c, oz 15c, 2 oz 25c,  $\frac{1}{4}$  lb 45c, lb \$1.50. Postpaid.



**Nicotiana Affinis.** 2292. Sweet Scented Tobacco Plant. This plant attains a height of 2 ft. and produces an abundance of large, pure white flowers of delicious fragrance. If taken up in the fall, cut back and potted, they will bloom all winter. Pkt 5c.

**Nicotiana Affinis Hybrida.** 2293. New splendid Hybrids in blue, red, rose, etc., shades. These magnificent new Hybrids have large flowers in many beautiful colors and brilliant shades and possess the same sweet fragrance as the N. Affinis, now so well known. All above colors mixed. Pkt 10c.

**Nicotiana Sanderae Hybrids.** 2295. They thrive in any soil or situation, either in pots, boxes, or in the open ground. If wanted in the conservatory there is no difficulty in having a glow of colors, pink, mauve, heliotrope, purple, crimson, rose and white—in huge masses for cutting and for all kinds of decoration through the spring months, and the cut blooms last well, opening freely in water. Many colors, mixed. Pkt 10c.

**Nigella.** (Love in a Mist, or Devil in the Bush.) 2300. Damascena. A compact, free-flowering plant, with finely-cut foliage, curious-looking flowers and seed-pods; of easy culture, growing in any garden soil; hardy annuals; blue and white mixed. Pkt 5c,  $\frac{1}{2}$  oz 10c, oz 15c.

**Nigella, Miss Jekyll.** 2301. The plants of this new hardy annual, "Love-in-the-Mist," are vigorous (18 in. high), and give an abundance of long stemmed flowers of the clearest cornflower blue, contrasting most charmingly with the fine, fern-like foliage. Large pkt 10c,  $\frac{1}{2}$  oz 25c, oz 50c.

**Oenothera.** (Evening Primrose.) 2308. Neat plants, with large, saucer-shaped flowers, white or golden-yellow; open at dusk; emit a delightful perfume. Mixed colors. Pkt 5c.

**Oenothera.** (Mexican Primrose.) 2309. A most desirable plant for Summer and Autumn blooming. Plants 10 ins. high, covered with large flowers of a beautiful pink, with a white center. Useful both for pots and out-dogs. Pkt (about 300 seeds) 10c.

## ORNAMENTAL GRASSES

**2320.** These are most useful for Winter bouquets; enormous quantities of them are annually grown in Germany and exported to the United States, where they are made up into bouquets with Everlasting Flowers. They are easily grown in any soil. Pkt 10c, 3 for 20c.

**Oxalis.** 2325. Rosea Mixed. A most excellent little plant for borders or pots; blooms all Summer in the greatest profusion; flowers dark rose, delicate pink and white. Pkt 5c.

**Oxalis Tropaeoloides** 2326. Suitable for rock work, rustic baskets, etc., largely used in parks. Flowers deep yellow, leaves, brown. Pkt (150 seeds) 5c.



NIGELLA, MISS JEKYL.





PRICE: Any of the following varieties, except where noted: Pkt. (100 seeds), 10c; 3 (10c) pkts., 25c; 6 (10c) pkts., 45c.

2370. **Adonis.** A magnificent light blue with a white center which sets off the dark blotches on the petals in a most striking manner.
2371. **Andromeda.** New Giant Curled. A very delicate apple-blossom generally showing a soft lavender hue, rendered more effective by a somewhat darker veining. Pkt., 15c.
2373. **Aureola.** A most unique sort. The three lower petals are carmine, each with a large round blotch, the upper petals are white, with a broad carmine stripe near the edge. Pkt., 15c.
2378. **Aurora.** Flowers large, color pure white without blotches.
2380. **Beaconsfield.** This is a great favorite on account of the rich combination of purple and lavender, shading to white towards the top. Per ½ oz., 25c.
2382. **Boulogne Giants.** See Novelties.
2384. **Bridesmaid.** Very large and of fine form. Its ground color is a rosy white, rivaling in delicacy and beauty the finest apple-blossom, and most strikingly sets off the dark blotches of the center.
2386. **Bugnot.** Of enormous size and circular form; the petals are of great substance and velvety appearance, each one bearing a large, deeply colored blotch that runs out in delicate veins to the edge; the shadings comprise tints of red, bronze and brown. Pkt., 15c.
2387. **Bugnot Elite.** An improved selection from above. Pkt., 25c.
2390. **Butterfly.** The flowers are large, of good form and substance and produced freely. In coloring they are varied, seldom two alike in a hundred plants. They are mottled and spotted, streaked, tigered and splashed, while the colors are mainly those rich wine reds, chocolate, velvety red-brown, lavender, violet and purple shades which are only found in a Pansy blossom.
2397. **Coal Black.** A jet black of truly giant size.
2398. **Crimson.** A rich velvety flower.
2405. **Emperor Francis Joseph.** The plants are of compact habit, while the flowers are of very large size, pure white with a large blotch of brilliant violet blue on each petal. It is the best white Pansy. Pkt., 15c.
2406. **Emperor William.** Splendid ultra-marine blue with purple eye.
- 2406a. **Eros.** Deep velvety brown, edged golden yellow. Pkt., 15c.
2407. **Fairy Queen.** This is one of the prettiest of the large flowering Pansies. The flowers are of the loveliest sky-blue with a fine silver border.
2409. **"Fiery Faces."** Rich scarlet with a gold edge and yellow center.
2410. **Freya.** Color, rich deep purple violet with a broad white margin which shows just as distinctly on the back of the petals.
2412. **Golden Queen.** Clear golden yellow.
2420. **Mad. Ferrett.** Edge of petal is frilled. The colors are of dark wine, pink and red, beautifully veined and all with a white margin.
2421. **Marechal Niel.** The flowers are very large, without any blotches or veins, and are of the same pleasing, delicate cream color as the rose whose name it bears. Pkt., 10c.
2422. **Masterpiece—New Giant Curled.** This strain comes nearer to double Giant Pansies than anything ever introduced under that name. In reality the number of petals is the same as that in other Pansy flowers, but they are crimped and curled in such a fashion that the flowers appear double. The flowers are of enormous size, often 3 inches across, and the color variations and combinations are odd and striking. Pkt. (200 seeds), 20c; 3 for 50c.

2423. **Mauve Queen.** Of largest size, the flowers are of a most pleasing mauve color. The three lower petals have large blotches of bluish carmine. Pkt., 15c.
2425. **Orchid—Flowered.** A most interesting type of Pansies of the Giant Flowered Class, containing a mixture of most surprising, novel, unique and beautiful color combinations, entirely new among Pansies. The ground color of nearly all the flowers is light, the petals being marked with large brown or golden yellow blotches which diffuse into rays and veins toward the edge. The upper petals are upright and plaited, resembling orchids. The colors are terra cotta, flesh, orange, rose, pink and lilac. Pkt. (100 seeds), 15c.
2426. **Paris Market Mixture.** Thousands of these Pansies are sold daily in the Paris markets. The flowers of this strain are as large as the Trimardeau and far superior in color and substance of petals; blotches are more conspicuous.
2431. **President McKinley.** The ground color is golden-yellow, while each petal has a large blotch of dark violet.
2433. **Prince Bismarck.** Havana brown with black blotches.
2434. **Prince Henry.** New. Rich velvety dark blue.
2438. **Psyche.** Each flower is elegantly curled and undulated and in every respect a beauty in form and color. The characteristic five velvety violet blotches or eyes are surrounded by a broad white edge. Comes true from seed. Pkt., 15c.
2440. **Purple.** Of deepest royal purple known. Pkt., 5c.
2444. **Raphael.** A novelty belonging to the Bugnot family. Pkt., 25c.
2447. **Rosy Morn.** A bright purplish crimson with a clear white edge. In early spring the color is very deep and rich; as the weather grows warmer, the color gradually turns a pleasing rosy carmine and the silver edge becomes wider.
2450. **Siegfried.** Of giant size, the flowers are borne on strong stems. They are mostly 5 spotted with a clear white margin. The colors are of rich brown shades such as are found in the English wall flowers Pkt., 15c.
2451. **Striped,** on brown, red and mahogany ground; very striking.
2454. **Trimardeau Mixture.** Flowers large, with a dark blotch on the three lower petals. Pkt., 5c; ½ oz. (about 1,250 seeds), 40c.
2456. **Violet Blue.** Of immense size and of rich velvety texture.
2457. **Volcano.** Color, bright dark red, each petal being marked with a very large dark blotch. The flowers are of large size and good substance and the edges of the petals are curled like those of "Masterpiece," from which it is a selection. Pkt., 15c.
2460. **White.** Flowers often 3 inches in diameter, pure white with a large violet blotch on the three lower petals.
2461. **Yellow.** A beautiful clear yellow, heavily blotched on the lower petals. (See above for kinds not priced.)

#### VAUGHAN'S COLLECTION OF GIANT PANSIES.

2479. One packet (containing 50 seeds each) of Giant White, Giant Yellow, Giant Beaconsfield, Giant Striped, Giant Emperor William, Giant Prince Bismarck and Giant Masterpiece. 7 pkts. for 25c.

#### VAUGHAN'S "GIANT PANSY" MIXTURE.

Catalogue and which can only be had in this and our International Pansy. This mixture includes the richest reds, coppers and bronzes, together with the most delicate rose pink shadings, all the distinct colors of Trimardeau, the Masterpiece strain with its delicate veinings and ruffled petals. We have spared no expense to secure the newest, richest and finest sorts. Price, ½ oz., \$1.00; pkt. (250 seeds), 20c; 3 for 50c; pkt. (100 seeds), 10c; 3 for 25c.





## Vaughan's Chicago Parks Bedding Pansies.



Chicago Parks Bedding Pansies.

This is the best strain for bedding purposes. The plants are of vigorous, even growth, the flowers are large and of good substance.

Per pkt., any of the following, 5c; any 6 for 25c; per ¼ oz., 20c.

- |  |   |
|--|---|
| 2500. Azure Blue. Velvety, dark.   | 2512. Gold Margined.  |
| 2501. Black, with Red and White Margln. Handsome.  | 2513. Light Blue. Delicate shade.   |
| 2502. Black, with Gold Bronze.   | 2514. Lord Beaconsfield. Purple violet, shading off to lavender.  |
| 2503. Blue Black. Splendid for bedding.  | 2515. Mahogany Colors.  |
| 2504. Cardinal Red. Rich scarlet.  | 2516. Peacock. Upper and lower petals royal purple, shot with peacock blue.                                       |
| 2505. Dark Blue. Large.  | 2517. Prince Bismarck. Bronze and brown.  |
| 2506. Dark Colors. Mixed.  | 2518. Quadricolor, or Pheasant's Eye. Upper petals sky blue, edged with violet; lower petals spotted and marbled. |
| 2507. Deep Yellow. Very rich.  | 2519. Silver Edge. Dark, light edge.  |
| 2508. Dr. Faust. Deep jet black.   | 2520. Snow Queen. White, pure.  |
| 2509. Emperor William. Ultramarine blue, with dark center.   | 2521. Striped, or Fancy.  |
| 2510. Fire King. The 3 lower petals each have a deep brown-red blotch with a broad margin of yellow, while the upper two petals are of a most intense fiery red. | 2522. White. With dark center.  |
| 2511. Golden Gem. Golden-yellow.   | 2523. Coquette de Polssy. Of a lovely, distinct slate, or mouse color.  |

**CHICAGO PARKS BEDDING PANSIES, Mixed.** 2535. All the above. Pkt. (150 seeds), 5c; ¼ oz., 20c; ½ oz., 35c.

**Passion Flower.** "Southern Beauty." (*Passiflora*.) 2620. One of the prettiest of all climbing plants. For the window it is splendid, and out of doors it will run up a trellis 20 feet, covered with beautiful blooms, 4 to 5 inches across, which are delightfully sweet. The color is peculiar, of blue, white, pink and red. Pkt. (20 seeds), 10c.

2621. *Passiflora Gracilis*. A charming annual; grows 10 to 15 feet high; the flowers are white, followed by seed fruits, which when ripe turn bright red and burst open, disclosing scarlet seeds. Pkt., 10c.

**Pennisetum Longistylum.** 2630. An Abyssinian Grass with long feathery bearded bristles. Effectively used to border Canna beds at the St. Louis World's Fair and at our trial grounds at Western Springs. Pkt., 10c; ½ oz., 20c.

2631. *Pennisetum Rupelianum*. Belongs to same family as preceding, but the spikes are longer and more graceful. An annual in the northern states and seeds should be sown each year. Pkt., 10c.

### PENTSTEMON. (Beard-tongue.)

Highly useful and attractive hardy perennials, and much used in the hardy border.

2640. *Digitalis* (Foxglove Pentstemon). Spikes of white flowers, with purple throat, during July and August. Pkt., 5c.

2641. *Pubescens*. Spikes of bright rosy-purple flowers in July and August. 1½ ft. Pkt., 5c.

2642. *Pulchellus hybridus*. A new hybrid, forming pyramidal bushes 2 to 3 ft. high, with erect branches thickly set with flowers, 1½ in. long, varying in all shades from rosy-white and chamolais to purple and violet, with pure white or veined throats. Pkt., 10c.

2645. Mixed. A great variety of kinds and colors. Pkt., 5c.

### Pentstemon, Vaughan's—New Large Flowering.

2646. This is a much improved strain of these beautiful flowers. The flowers are large, very numerous, in shape like a *Gloxinia* and are borne on long stems. In color they vary from pure white, pink, rose and crimson to mauve and purple, including many which are beautifully edged with a fine contrasting color. If this seed is sown in January, February or March, in a fairly warm place, the plants will bloom in Summer and Fall—splendid cut flowers, also suitable for pot culture. Height, 2 ft. Pkt., 25c.



**Physalis Francheti.** (*Chinese Lantern Plant*.) 2775. This handsome Chinese Plant is as easily grown from seed as a tomato, but is perfectly hardy outside over Winter. It produces a large number of balloon-like husks, 3 to 3½ in. across. At first these are a bright green, then light to bright yellow, then orange and scarlet. They greatly resemble in this last stage miniature Chinese lanterns when lighted. Pkt., 10c.

**Physostegia.** 2776. *Virginica*. One of the prettiest hardy perennials, forming dense bushes 3 to 4 ft. high, and bearing freely during the summer months spikes of delicate pink tubular flowers. Pkt., 5c.

2777. *Virginica Alba*. White. Pkt., 10c.

**Platycodon.** One of the best hardy perennials, producing very showy flowers during the whole season. They form large clumps, and are excellent for planting in permanent borders or among shrubbery; easily raised from seed.

2780. *Grandiflorum*. Large steel-blue flowers. Pkt., 5c.

2781. *Album*. Pure white variety. Pkt., 5c.

2782. *Mariesi*. Large, open, bell-shaped flowers of a rich violet blue; plant dwarf and compact. Pkt., 10c.

2783. *Mariesi*, White. 2784. Double Blue. 2785. Double White. Each, pkt., 10c.

**Polyanthus.** Showy, early spring, free-flowering plants, fine for either pot or outdoor culture; hardy perennials; 9 in. Elatior.)

2790. *English*. The best single, all colors mixed. Pkt., 5c.

2791. *Gold Laced*. Very showy and attractive. Pkt., 10c.

2792. *New Large-Flowering*. The flowers are very large, measuring from 1½ to 2 in. in diameter, are borne on stout stems 10 to 12 in. in length; the leaves are larger than those of the type and the colors are richer and more varied; they are dark red, white, pink, red, yellow, etc. Pkt., 15c.



Large Flowering Single Portulaca.



Double Portulaca.

### PORTULACA, ROSE MOSS.

This plant will grow and bloom profusely in a dry, hot situation, where almost any other plant would soon die. Easily transplanted.

Well known, hardy, constant and profuse bloomer, continuing till frost.

2870. *Large Flowering Single Portulaca*. Many colors mixed. Pkt. (300 seeds), 5c; ¼ oz., 20c; ½ oz., 60c.

2871. *Collection of 8 Colors Single Portulaca*. 25c.

2872. Double White. 10c. 2874. Double Yellow. 10c.

2873. Double Pink. 10c. 2875. Double Scarlet. 10c.

2877. Double, Good Mixed. Pkt., 5c; ¼ oz., 25c.

2876. Double, Best Mixed. (Choice double. Pkt., 10c; ¼ oz., 75c.

2878. Double, *Collection of 6 Colors*. 35c.

### MIXED FLOWER SEEDS.

Carriage drives, shrubberies, large borders, and woodland walks may be brightened with most pleasing effect by sowing Mixed Flower Seeds and the cost is merely nominal.

5010. Dwarf Sorts. Oz., 10c; ¼ lb., 30c; lb., \$1.00.

5011. Tall Varieties. Oz., 10c; ¼ lb., 30c; lb., \$1.00.



# PETUNIAS.

## LARGE FLOWERING SORTS.

**2560 Large-Flowering Single Petunias.** An extra choice mixture. Pkt. (120 seeds), 15c; 2 for 25c.

**2561 Large-Flowering Fringed Sorts.** (Fimbriata.) A superb strain of elegant, finely fringed flowers, measuring over 4 in. in diameter; remarkable brilliancy and variety of color. Pkt. (175 seeds), 20c.

**2562 Giants of California.** The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt. (200 seeds), 25c.

**2563 Queen Louise.** Flowers of immense size, 6 in. and over in diameter, of a rich velvety crimson color, with broad white margin and deep yellow throat. A very striking sort. Pkt., 25c.

**2564 German Empress.** Flowers of gigantic proportions, color light lavender with veins of a rich velvety purple. A magnificent sort. Pkt., 25c.

**2565 Quadricolor.** Very large; the color is a most pleasing rose. The flowers are veined for two-thirds of their surface with a network of lustrous carmine, which merges into a deep blood-red towards the expansive throat. Pkt., 25c.

**2566 Rose Queen.** Mammoth-sized flower, beautiful marbled rose on white ground with striking veining of the deep crimson in the wide-open throat. Pkt., 25c.

## DOUBLE PETUNIAS.

**2575 Vaughan's Mixture of Double Petunias.** This is a mixture of the best large-flowering and fringed double Petunias. Seed is saved from plants grown in pots, carefully fertilized, and will produce grand flowers. Of course, everyone knows that only a certain percentage of double flowers may be expected from seed, but our mixture will produce from 20 to 30 per cent of doubles, while the remainder will be choice, large single flowers. The weaker seedlings should be carefully saved, as these invariably produce the finest double flowers. Pkt. (200 seeds), 30c.

**2576 Imported Collection Double Petunias, 6 varieties, 75c.**

## SMALL FLOWERING PETUNIAS.

While the flowers of this section are not as large as those of the Large-Flowering types, they will produce from 3 to 5 times as many and are therefore better adapted to bedding where a continuous and bright color effect is desired.

**2580 Rosy Morn.** One of the most effective and valuable of the small-flowering class, which class has gained a well merited reputation not only for its rich and lasting florescence but for its easy culture and adaptability either to pot plants, indoor decoration or outdoor bedding. The plants grow thick and spreading like a bush and remain fairly dwarf. Flowers are a brilliant rose color, with large white throat. Pkt., 10c.

**2581 Norma,** see novelties.

**2582 "Baby-Blue" (Sylvia).** Owing to its dwarf compact growth this is one of the most satisfactory plants to grow in solid masses. It begins to bloom when only a few inches in height and flowers profusely until plants are killed by frost. The flowers measure only from 1 to 1½ in. across, and are a soft reddish purple, but when seen en masse in strong sunlight from a little distance appear a lovely blue. Pkt., 10c.

**2583 Meteor.** The plants are dwarf and of very even growth; they are covered with a great number of rich, velvety crimson flowers throughout the entire summer. Pkt., 10c.

**2584 Butterfly.** An excellent mixture of small-flowering Petunias; plants are dwarf and compact; bloom all the time until late in fall; all the flowers are white-throated, which gives a bed of them a very lively appearance. Pkt., 10c.

**2585 Snowball.** The flowers are purest snow-white, of good shape and size, sweet-scented and lasting. Pkt., (250 seeds), 10c.

**2590 VAUGHAN'S SPECIAL MIXTURE DWARF PETUNIAS,** includes the 6 varieties. Large pkt., 15c; 2 for 25c.

**2591 Blotched and Striped.** Flowers with star-shaped blotches of symmetrical form; fine for bedding and window boxes. Pkt., 5c; ½ oz., 20c.

**2592 Howard's Star.** Rich velvety maroon with a white blotch on each petal. One of the most attractive Petunias for bedding, vases, window boxes, etc. Blooms all the time. Pkt., 10c.

**2595 Petunia, Finest Mixed.** A choice strain, including many of the large flowering varieties. Pkt., 10c; ½ oz., 35c.

**2596 Petunia, Good Mixed.** Many colors. Pkt., 5c; ½ oz., 20c.

## ANNUALS FOR CUT-FLOWERS.

### Low Growing Varieties.

Alyssum, Nasturtium, Mignonette, French Marigold, Petunia, Candytuft, Ten Week Stocks, Verbena, Pansy, Dwarf Asters, Calendula, Phlox

### Tall Growing Varieties.

Asters, Bachelor's Button, Centaurea, Cosmos, Tall Nasturtium, Sweet Peas, Gypsophila, Calliopsis, African Marigold, Poppy, Nicotiana.



Types of  
"Vaughan's Best"  
Single Petunias.

For freedom of bloom, variety of color, ease of culture and effectiveness, these rank with the Asters, Phlox and Verbenas. If only a little care is bestowed upon them, Petunias will produce their handsome, sweet-scented flowers in their delicate and gorgeous colors throughout the whole summer.



Small Flowering Petunias.

## "VAUGHAN'S BEST" MIXTURE OF LARGE FLOWERING PETUNIAS.

**2570.** This mixture is made by ourselves and includes, besides the Giant Ruffled, and the California Giants, all the colors of the Large-Flowering and Fringed sorts and the unsurpassed Superbissima varieties, with their delicately veined throats in various colors, and their truly mammoth flowers. We are positive that no other Petunia mixture can produce flowers with as wide a range of colors as "VAUGHAN'S BEST." Pkt., 25c; 3 pkts. for 65c;





**POPPIES, Perennial Varieties.**

Tall, large-flowered and showy; effective among shrubs. Average height, 2 to 4 ft.

- 2800 **Bracteatum**. Scarlet; 3 ft. oz., 50c; pkt., 5c.  
 2801 **Orientele**. 3 ft. Enormous flowers of deep flashing scarlet; entirely hardy anywhere. Pkt., 10c.  
 2802 **Orientele, Mixed Hybrids**. Finest shades. Pkt., 10c.  
 2803 **Alpinum Semi-Plenum**. See Novelties.  
 2804 **New Oriental Princess Victoria Louise**. Pkt., 10c.  
 2805 **Alpinum laciniatum (New Hardy Alpine Poppy)**. The plants grow in low tufts producing many slender flower stalks bearing lovely flowers in white, salmon, rose or orange. The petals are lacinated, fluted and fringed. Pkt., 15c.

**Iceland Poppies.**

- 2808 These Poppies produce flowers the first year from seed. The colors range from the purest white to the deepest orange scarlet and have a delicious fragrance. Excellent for vase and house decorations. **Mixed colors**, pkt., 10c;  $\frac{1}{2}$  oz., 20c.  
 2809, **Yellow**. 2810, **White**. 2811, **Orange Scarlet**. 2812, **Striped**. Each, pkt., 10c.  
 2814 **Double Iceland Poppies**. Mixed. Pkt., 15c; 2 pkts. for 25c.

**DOUBLE ANNUAL VARIETIES.****Vaughan's Giant Poppies.**

20-36 in. These Poppies are very handsome. The flowers grow to an enormous size, from 6 to 7 in. in diameter, are as double as Peonies and the colors are very rich and striking.

- 2820 **Double Pure White**. } Each per pkt., 10c. One pkt.  
 2821 " **Pink**. } each of the four sorts for 25c.  
 2822 " **Cardinal-Red**. } Per  $\frac{1}{2}$  oz., each, 20c; oz., 35c.  
 2823 " **Yellow**. }  
 2824 **White Swan (18 in.)**. Flowers of enormous size, perfect form, double, and purest white. Pkt., 5c;  $\frac{1}{2}$  oz., 10c.  
 2825 **Golden Gate**. Exceedingly free blooming, the flowers single, semi-double and double, of medium size and largest variety of colors. Oz., 25c; pkt., 5c.  
 2826 **Double Carnation Flowered**. Of large size and a variety of colors. Pkt., 5c; oz., 15c.  
 2827 **Peony Flowered**. Flowers in size equal to Peonies; mixed. Pkt., 5c; oz., 15c.  
 2830 **Fairy Blush**. The flowers have the effect of a large, white feathery ball, overcast with a rosy shade. Pkt., 5c.  
 2832 **Marion**. Flowers soft heliotrope. Pkt., 10c.  
 2834 **American Flag**. Beautiful variety; flowers very large and double, snow-white, bordered with scarlet. Per oz., 25c.  
 2835 **"Mikado"** (The Striped Japanese Poppy). This beautiful Poppy is very distinct. The flowers are brilliant scarlet and white with elegantly curved petals, like a Japanese Chrysanthemum. Oz., 25c; pkt., 5c.

**VAUGHAN'S SPECIAL MIXTURE OF DOUBLE POPPIES.**

2840 This includes all the above sorts, and will produce the most charming flowers in an endless variety of colors. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.00.

**SINGLE ANNUAL VARIETIES.****The "Santa Rosa," New Poppy.**

Our growers, who sow Poppy seed by the acre, say:—Your "Santa Rosa" is an exceptionally fine mixture of Shirley Poppies, by far the best we have seen.

2841 We introduced this famous Poppy in 1904, having purchased Mr. Burbank's entire stock. It is a new strain of Shirley Poppies, originated and improved by Luther Burbank. This strain combines all the delicate beauty in color of the original Shirley and Shirley types, and with these the whole flower in all of its petals is beautifully crimped. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 40c;  $\frac{1}{4}$  lb., \$1.25.

**Shirley, Silk or Ghost Poppies.**

2842 Our strain is one of great excellence, and many beautiful new forms will be found in it. If gathered while the dew is on them, and before sunshine, they will last two days in water. Pkt., 10c;  $\frac{1}{4}$  oz., 15c; oz., 35c.

2843 **Danebrog, or Danish Cross**. Very showy variety, producing large flowers of brilliant scarlet, with a silvery-white spot on each petal, forming a white cross. Oz., 15c; pkt., 5c.

2845 **The Tulip Poppy**. The perfect and striking flowers are intensely vivid in color; the two outer petals form a tulip cup; after a while deep black spots appear at the base of each petal. Pkt., 10c;  $\frac{1}{2}$  oz., 25c; oz., 45c.

2846 **Persian**. Dark scarlet, black spots. Pkt., 5c;  $\frac{1}{4}$  oz., 10c.  
 2847 **The Bride**. A beautiful variety with very large, pure white, perfectly formed flowers. Oz., 15c; pkt., 5c.

2848 **Umbrosum**. Richest vermilion, with a deep, shining black spot on each petal. Oz., 25c; pkt., 5c.

2849 **The English Scarlet Field Poppy**. This is the kind that grows wild in Europe, in rye fields, together with the blue cornflower. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c. 2850 **Admiral**. See novelties.

**VAUGHAN'S SPECIAL MIXTURE OF SINGLE POPPIES.**

2854 This mixture includes all the above choice Poppies as well as the varieties listed in the novelties and many other kinds. It is really extra choice. Pkt., 10c;  $\frac{1}{2}$  oz., 15c; oz., 25c; 2 oz., 40c;  $\frac{1}{4}$  lb., 70c.

**VAUGHAN'S SPECIAL POPPY MIXTURE, Double and Single.**

2855 Comprises not only all the Double and Single Poppies described, but also a number of other sorts specially purchased for this mixture, including some entirely new ones. Will make a grand display. Pkt. (500 seeds), 10c;  $\frac{1}{2}$  oz., 20c; oz., 30c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

*Vaughan's Giant Poppy.**Santa Rosa Poppy.*



# VAUGHAN'S ANNUAL PHLOX.



Vaughan's Annual Phlox.

Please order by  
number and ex-  
tend price.



New Large Flowering Dwarf Phlox.

**T**HE Phloxes are certainly among the showiest and most easily managed of all the hardy annuals. From June until October they maintain an endless display of brilliant and varied colored flowers. A fine effect is obtained by planting the beds with different colors so they harmonize. The plants will be more bushy and cover the bed better if pinched back while small. For early plants, seed should be sown in boxes in the house, or sown in the open ground as soon as the weather will permit. Sow seed in the border or in the vegetable garden if wanted for cutting.

## LARGE FLOWERING VARIETIES.

The large-flowering kinds are a decided improvement on the Drummond, producing flowers twice the size of the latter, in the most brilliant colors imaginable.

- |  |   |
|--|---|
| 2710. Alba. Pure white, extra large.   | 2718. Stellata Splendens. Clearly defined white star, contrasting strikingly with the vivid crimson of the flowers. |
| 2711. Intense Scarlet.   | 2719. White, with claret eye.   |
| 2712. Bright Rose, striped white.  | 2720. Blue, white eye, very beautiful.  |
| 2713. Rosea. Pink, white eye.  | 2721. Cream Color, new, soft color.   |
| 2714. Large Yellow. A very fine color; quite novel and distinct; fine flower.  | 2722. Sky-Blue, striped white.  |
| 2715. Scarlet Striped. Beautiful.  |   |
| 2717. Black Brown. The darkest of all.   |   |
| 2728. "Gold Star." One of the most distinct of the annual Phlox. The flowers are a lovely rose-pink, each having a clear golden yellow star in the center. |   |
- Any of the above, per oz., \$1.00; ¼ oz., 30c; per pkt. (100 seeds), 10c; any 6 for 40c.
2730. Large Flowering Phlox in Splendid Mixture. Includes all the above and many other shades and colors. Oz., 75c; ¼ oz., 25c; per pkt. (250 seeds), 10c.
2731. Imported Collection of 6 colors, 25c.
2732. Imported Collection of 12 colors, 50c.

## STARRED AND FRINGED.

The flowers have a most distinct and star-like appearance, their attractiveness being enhanced by white margins which border the petals.

2735. Starred and Fringed. Mixed. Pkt. (150 seeds), 10c; ½ oz., 20c.
2736. Star of Quedlinburg, Extra choice mixed. Pkt. (150 seeds), 5c.

## LARGE FLOWERING DWARF.

In this new type we have the happy medium, combining the size of the individual flower and head of the finest Grandifloras with the dwarf, compact growth of the Nana Compacta sorts; altogether a perfect combination, and one that will recommend itself to all who wish bright, cheerful beds or borders for the longest possible time with the least trouble.

2738. Cecily. This is the grandest Dwarf Phlox in existence, superseding the old type of Dwarf Phlox. The flowers are very large, many individual flowers being of the size of a 50-cent piece. The plants grow only about 6 inches high, are compact and regular in form and are simply covered with flowers all summer long. The colors are rich and in great variety. This is a most desirable addition to this class of summer-blooming hardy annuals. Pkt., 15c; 2 for 25c; ½ oz., 50c.

2739. Pure White. Each, pkt., 10c; one packet of the 2 colors for 15c.
2740. Fiery Scarlet.

## DOUBLE FLOWERING.

A very desirable class. Flowers are double and semi-double, and last much longer than those of the single Phlox.

- |                       |                      |                      |
|-----------------------|----------------------|----------------------|
| 2742. Double White.   | 2744. Double Yellow. | Each, per pkt., 10c. |
| 2743. Double Scarlet. | 2745. Double Mixed.  |                      |

## DWARF SORTS.

(Phlox Drummondii Nana Compacta.)

These are much superior to the other Phloxes for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, about 8 inches high, covered with flowers during the whole Summer and Fall.

2750. Snowball. Flowers pure white; the plants resemble large snowballs when in full bloom. Pkt., 10c; per ¼ oz., 35c.
2751. Fireball. Glowing, brilliant scarlet. Pkt., 10c; per ¼ oz., 35c.
2752. Snowball and Fireball. One pkt. each for 15c.
2753. Dwarf Sky-Blue with white eye. Pkt., 10c.
2756. Dwarf Phlox in choicest mixtures. Pkt., 10c; ½ oz., 25c.
2760. Phlox Drummondii. Many colors mixed. Lb., \$5.00; oz., 50c; ¼ oz., 15c; pkt. (150 seeds), 5c.

## HARDY PHLOX.

(Phlox Decussata.)

2763. These rank among the finest herbaceous plants for beds or borders. The seed of this should be sown at once on receipt; it germinates very slowly, often requiring 5 to 6 months. Mixture of finest sorts. Pkt., 10c.

## VAUGHAN'S SPECIAL PHLOX MIXTURE.

2761. Contains all the above varieties and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors. Over 30 different shades will be produced from a single package. A bed of Phlox Drummondii in assorted colors makes a grand display all summer. The most liberal offer ever made. Pkt. (250 seeds), 15c; extra large pkt. (½ oz.), 25c; ¼ oz., 40c; 1 oz., \$1.50.





**NEW "EMPEROR" SALPIGLOSSIS.**

2960 The new Emperor strain is a very great improvement on the older type in its increased size of flowers, their improved shape and larger variety of colors, and more than all else in their singularly beautiful veinings of gold. These are the only flowers, to our knowledge, that show a glint of gold in their coloring. **Pkt.** (250 seeds), 10c; ½ oz., 20c.

2961 Salpiglossis. Large flowering sorts in splendid mixture. **Pkt.**, 5c; ¼ oz., 20c.

**SALVIA, Scarlet Sage.**

A hedge of these beautiful Salvias is a sight to behold. They are a blaze of color the whole summer and fall.

**SINGLE FRINGED CHINESE PRIMROSES.**

Separate Colors.

2882 Pure White. 2883 Pink. 2884 Peach Blossom. 2885 Chiswick Red. 2886 Mauve.  
2887 Striped. Each, **pkt.** (50 seeds), 10c.

**VAUGHAN'S INTERNATIONAL CHINESE PRIMROSE MIXTURE.**

2880 The culture of these lovely flowers is much easier than most people think. Every one can have a nice collection of them by following the cultural directions printed on each package. Our mixture includes not only all the choicest colors of the single flowering Primulas in all their dainty shades, but it comprises also seed saved from hybridized flowers and will produce a number of double flowers and the new blue Primula. **Pkt.** (100 seeds), 15c; 2 for 25c.

2881 Chinese Primroses. A very good mixture. **Pkt.** (50 seeds), 5c.

**Primula Obconica.** 2890 This is one of the most useful flowering plants. If sown early in spring the seedlings will commence (New Large Flowering Hybrids.) to bloom in May or June and continue to flower throughout the whole year. The flowers are of a soft lilac, pink, rose, lavender or crimson and very charming. It is one of the most useful Primulas for pot culture, and also succeeds well in the open border during the summer months. **Pkt.** (100 seeds), 10c.

2891 **Primula Obconica.** **Pkt.** (100 seeds), 5c. See Novelties.

**Primula Forbesi.** The "Baby" 2900. This is one of the prettiest pot plants. It begins to bloom in three months after sowing and continues to produce flowers for ten months in succession. The flowers are very graceful, not quite an inch across, and are of a most pleasing rose color, with a yellow eye. They are borne on erect stems 10 to 12 in. high in tiers, and remain fresh for over a week after being cut, new buds opening every day. **Pkt.** (100 seeds), 10c.

**HARDY PRIMROSES.**

These are among the best of the early spring-blooming plants. With a slight protection they will stand the winter, but will do better if protected by a cold frame.

2902 **Cortusoides Amoena** (Sieboldi). Charming variety, blooming about Easter; mixed colors. **Pkt.**, 20c.

2903 **Japonica** (Japanese Primrose). Bright and showy flowers, borne in whorls on stems 6 to 9 in. long; mixed colors. **Pkt.**, 10c.

2904 **Vulgaris** (English Primrose). Flowers fragrant, canary-yellow color. **Pkt.**, 10c.

**PYRETHRUM. (Feverfew.)**

The Feverfew is an old-fashioned flower, always popular for bouquets.

2926 **Aureum** (Golden Feather). **Pkt.**, 5c; ¼ oz., 20c.  
2927 **Selaginoides**. Fern-leaved. 5c.

**NEW GIANT PYRETHRUMS. (Pyrethrum Roseum Hyb. Grandiflorum.)**

2930 The flowers of this new strain grow to the enormous size of 12 in. in circumference and present all the beautiful variations of color between light pink, rose and deep carmine. They are splendid cut flowers and equally valuable in borders. The plants are perfectly hardy and increase in size from year to year. **Pkt.**, 15c.

2931 **Hybridum**. H. P. 2 ft. Large-flowering single mixed. Bears large Aster-shaped flowers ranging in color from light pink to deep red, with bright yellow centers. **Pkt.**, 5c.

2932 **Hybridum Fl. Pl** 1½ ft. Large-flowering double; seed saved from a celebrated collection; mixed colors. **Pkt.**, 35c.

2933 **Uliginosum** (Giant Daisy). H. P. 3-4 ft. From July to September is literally hidden beneath the multitude of large white daisy-like flowers. **Pkt.**, 10c.

**RUDBECKIA. (Cone-Flower.)**

2940 **Bicolor Superba**. 2 ft. Fine free-flowering annual variety forming a dense bush and producing in great abundance on long stems its bright flowers. The disc is brown, the florets golden-yellow, with large velvety-brown spots at the base; very effective and useful for cutting. **Pkt.**, 10c.

2941 **Bicolor superba semiplena**. Semi-double flowering form of the above, equally showy and useful for cutting. **Pkt.**, 10c.

2942 **Newmani**. One of the finest of autumn-flowering perennials, bearing large flowers. Bright orange-yellow petals, surrounding a large black cone; a showy flower. **Pkt.**, 15c.

2943 **Purpurea** (Giant Purple Cone-Flower). One of the most interesting hardy perennials, producing from midsummer until late autumn large, showy, reddish-purple flowers; about 4 in. across; a remarkably large cone-shaped center of brown; thickly set with golden tips in spiral lines. **Pkt.**, 15c.

**SCARLET SAGE. (Salvia.)**

The *Salvia Splendens*, or scarlet sage, is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses: it makes a good pot plant, does well in window boxes, and is useful for cutting to give color. Its best use, however, is as a hedge or border plant, where long, broad bands of intense color are desirable.

2970 **Drooping Spikes**. This new, large-flowering *Salvia* (Scarlet Sage), has three times the flowering capacity on each spike of the ordinary *Salvia Splendens*. The flowers are produced in great numbers, causing the spikes to droop by their weight. It is one of the most desirable plants for decorative purposes if planted either singly, in groups or with other plants. The flowers are of the most brilliant, dazzling scarlet, produced in endless profusion and until late in the fall. **Pkt.** (75 seeds), 10c; 3 for 25c; ¼ oz., 40c.

2971 **Clara Bedman**. (Bonfire.) The plants form handsome globular bushes about 2 ft. in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant dazzling scarlet. **Pkt.**, 10c; per ¼ oz., 50c.

2972 **Fireball**. See Novelties.

2973 **Zurich**. See Novelties.

2974 **Splendens**. Large flowering Scarlet Sage. **Pkt.**, 5c; ¼ oz., 30c.

2980 **Scarlet Sage, Mixed**. The above sorts. **Pkt.**, 10c; ¼ oz., 35c.

**OTHER SALVIAS.**

**Salvia Farinacea.** (The Silver Sage.)

2981 It appears to run altogether to flower, hundreds upon hundreds of tall spikes of silvery lavender blooms rising from a dense mass of foliage during the entire season. Far handsomer is it indeed than almost any bedding plant we know of—there being no other of this color grown. As isolated specimens it is also very showy. Its lasting and graceful sprays were greatly admired when shown at our last Exhibition. **Pkt.** (100 seeds), 10c.

2982 **Coccinea**. Annual Scarlet Sage. **Pkt.**, 5c; ¼ oz., 15c.

2983 **Patens**. The purest and brightest blue of all. **Pkt.** (15 seeds), 10c.

2984 **Argentea**. Silver white foliage. **Pkt.**, 5c.





*Cut-and-Come Again Stock.*

**Saponaria.** 2992 *Caucasia Fl. Pl.* A hardy perennial of easiest culture, producing all summer double, bluish white, fragrant flowers. **Pkt., 10c.**

### SCABIOSA OR MOURNING BRIDE.

Elegant cut-flowers, keep long, are very handsome and the colors are exceedingly fine; some flowers are almost black.

3000 *Snowball.* Of purest white and very double. This plant is sure to be liked for vases and bouquets. **Pkt., 10c; 3 for 20c.**

3001 *Golden Yellow.* Fine pure yellow color. **Pkt., 5c.**

3002 *Black Prince.* The flowers are nearly black. **Pkt., 5c.**

3003 *Double Fiery Scarlet.* **Pkt., 5c.**

3004 *Double Pink.* **Pkt., 5c.**

3005 *Double Mauve.* **Pkt., 5c.**

3006 *One pkt., each of the above 6 for 25c.*

3009 *Large Flowering Scabiosa.* Flowers average 3 in. across, very double; valuable for bouquets. Height 3 ft. Many colors mixed. **Pkt., 5c; 1/2 oz., 15c.**

3010 *Dwarf Double.* All colors mixed; 2 ft. **Oz., 20c; pkt., 5c.**

3015 *Caucasia.* A beautiful hardy perennial; flowers soft lavender. 3 ft. **Pkt., 10c.**

3016 *Caucasia Alba.* White. **Pkt., 15c.**

**Schizanthus.** 3030 An easily grown plant, bearing quantities of gay, butterfly-like flowers, beautifully marked and spotted; closely resembling some species of Orchids. For winter blooming in pots the Schizanthus is one of the most desirable of all flowers. **Pkt., 5c.**

3031 *Wisetonensis.* This variety is largely used as a pot plant for the house or conservatory. It is remarkably free-flowering, and presents a beautiful appearance with its myriads of blooms, the ground color of which is white dotted with delicate rose, with a large spot on the upper lip varying in shade between golden-yellow, carmine, rose and light brown. **Pkt., 25c.**

3035 *Sedum, or Stone Crop.* H.A. 4 in. **Pkt., 5c.**

**Sensitive Plant.** See Mimosa

**Smilax.** 3050 Makes a fine pot plant for fall and winter. Sown in spring, is ready in autumn. **Pkt., 5c.**

**Solanum.** T.A. 2 ft.—3055 Easily grown plants with ornamental fruit. Especially fine for pots (Jerusalem Cherry.) remaining beautiful a long time. The fruit is about the size and color of a cherry. **Pkt., 10c.**

**Statice.** 3070 *Latifolia.* H.P. 15 in. Most valuable plants either for the border or rockery, with tufts of leathery foliage and immense panicles of minute deep blue flowers, producing remarkable effect; blooms from June until September. **Pkt., 10c.**

**Stevia Serrata.** 3075 Very pretty perennials. Flowers white, star-shaped, leaves fragrant. 2 ft. **Pkt., 5c.**

### STOCKS. (Levkajen.)

Stocks are among the finest annuals. The seed will germinate in from 3 to 5 days, and the plants commence to bloom in about 10 weeks, and continue until frost. Give good, rich soil and good cultivation to get double flowers.

#### CUT-AND-COME AGAIN 10-WEEKS STOCK. (Giant Perfection.)

Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing until frost, and are especially valuable during September and October when other flowers are scarce; they throw out numerous side branches, all bearing very double, fragrant flowers; excellent for cutting.

3085 *Princess Alice.* Snow-white.

3086 *La France.* Silvery rose.

3087 *Brilliant.* Fiery blood-red.

3088 *Sapphire.* Dark blue.

3089 *Creole.* Creamy, yellow, extra fine.

3090 *May Queen.* A delicate shade of lilac.

Any of above, **pkt., 10c; any 3 for 25c.**

3094 *Cut and Come Again, mixed,* all the above. **Pkt., 10c; 1/2 oz., 40c.**

3095 *Imported Collection,* 6 colors. **50c.**

#### LARGE FLOWERING 10-WEEKS STOCK.

3100 *Pure White.*

3103 *Crimson.*

3101 *Brilliant Rose.*

3104 *Purple.*

3102 *Light Blue.*

3105 *Canary Yellow.*

Any of above, **per pkt., 10c; any 3 for 25c.**

3108 *Large Flowering.* Best mixed. **10c.**

3109 *Fine Mixed.* **Pkt., 5c.**

3110 *Imported Collection.* 12 colors. **60c.**

3111 *Imported Collection.* 6 colors. **30c.**

For other varieties see Novelty Pages.

3115 *Snowflake.* A dwarf variety with large double snow-white flowers; fine for pot culture. **Pkt., 15c.**

3116 *Empress Elizabeth.* A splendid winter stock, 18 in. high, with very strong main stem, branching out in candelabra form. Both main and side stems are covered with large double rose-shaped flowers of bright carmine-rose color. **Pkt., 15c.**

3117 *Fire Flame.* Ever-blooming, resembling red garnet flame. **Pkt., 10c.**

**Beauty of Nice.** 24 in. A handsome new winter stock of quick growth, flowers of large size. Seedlings will bloom in ten weeks.

3120 *Pink,* **pkt., 10c.**

3121 *Pure White,* **pkt., 10c.**

3122 *Queen Alexandra,* delicate rosy lilac, **pkt., 15c.**

3123 *Almond-Flowered,* new, **pkt., 20c.**

3124 *Crimson King,* new, **pkt., 10c.**

3127 *Beauty of Nice Stock,* the above colors, mixed, **pkt., 15c.**

3129 *Brompton.* Half-hardy biennial, bushy plants, producing beautiful double flowers; mixed colors; 2 ft. **Pkt., 10c.**

#### VAUGHAN'S "SPECIAL MIXTURE" OF TEN WEEKS' STOCKS.

3130. Includes all the above sorts, and some novelties not listed here. **Pkt., 15c; 2 for 25c.**



### STOKESIA, CORNFLOWER ASTER.

3135 *Cyanea.* This is not new, but is a rare and beautiful hardy perennial, about 2 ft. high, bears from 20 to 30 handsome lavender blue corn-flower-like blossoms; in bloom from July till frost. Choice for the hardy border and for cutting. **Pkt., 10c.**

#### STREPTOCARPUS, VAUGHAN'S GIANT HYBRIDS.

3137 *Streptocarpus* are everblooming house plants of great beauty. The seed should be sown before March 20, and plants will bloom in July, and if the seed pods are removed as they appear the plants will bloom all winter. These Giant Hybrids are the best that exist in *Streptocarpus* and will produce flowers two or three times larger than those of the ordinary strain and in larger variety of colors, ranging from pure white through lavender, purple, violet, red and rose. **Pkt., 25c.**

### SUNFLOWERS.

**New Hybrid, Helianthus Cucumerifolius.** "Cut and Come Again."

3150 New types. These improved, branching single Sunflowers are exceedingly popular for the garden and for cut flowers. Bushes 3 to 4 feet high, bearing from base to summit a continuous succession of flowers from June until frost. Flowers 3 to 4 in. across, borne on long stems in a few weeks from seed. "Cut and Come Again" Sunflowers, Mixed. All colors and types. **Pkt., 10c; oz., 20c.**

3151 *Many-Flowered Double Sunflower.* Grows 4 feet high and produces a strikingly ornamental and symmetrical large double flower on the top of the stalk and one with short stem on each leaf joint. **Pkt., 5c; 1/2 oz., 15c; oz., 25c.**

3152 *Californicus Fl. Pl.* Extra large, double. **Pkt., 5c; oz., 10c.**

3153 *Double Dwarf.* 2 1/2 ft. Flowers very double; rich golden yellow. **Pkt., 5c.**

3154 *Globosus Fistulosus.* Flowers immense, from 12 to 15 in. in diameter. Globular and extremely double, the most effective of all annual sunflowers. **Pkt., 5c; oz., 10c; 2 oz., 15c.**

3155 *Mammoth Russian.* Of gigantic dimensions, both flowers and stalk. **Oz., 5c.**

3156 *Mixture of Many Double Varieties.* **Pkt., 5c; oz., 15c.**

#### VAUGHAN'S SPECIAL SUNFLOWER MIXTURE.

3157. All above rare and beautiful kinds mixed in proportion. You will be delighted with them. **Pkt., 10c; oz., 25c.**



**Swainsonia Alba.** 3175. Grown extensively as a cut flower; in graceful sprays loaded from tip to base with large pure white, waxy, sweet-pea-like flowers; beautiful green acacia-like foliage. Grows quickly from seed. **Pkt., 10c.**

**Sweet Violets.** 3176 *The Czar.* Large flowering, blue. **Pkt., 10c.**  
3178 *Blue Sweet Violet.* The old-fashioned sort. **Pkt., 10c.**



# SWEET PEAS

## CULTURAL NOTE

Sow in new ground as soon as it can be worked, except the white-seeded sorts, which should not be sown until the ground is comparatively warm.

**PRICES** All others at uniform price of 5c per pkt.; any three 5c packets 10c; any seven pkts for 20c; 10c per oz; any four ounces for 25c; any seven ounces for 40c. Except where otherwise priced, each variety is sold at 20c per  $\frac{1}{4}$  lb; 60c per lb postpaid. By express, not prepaid, 50c per lb, except where noted.

We strongly advise the planting of Sweet Peas in colors, being much more satisfactory. We can furnish neat wooden painted labels, which are wired and can be fastened to stakes or wire netting, at 20c per 100.

**Note**—If any of our customers are familiar with a name of a variety that does not appear here, and will write us for it, we can probably send precisely the same shade of color in an improved variety, under one of the names we list here.

## WHITE

- 4155. White Spencer. See inside front cover page.
- 4048. Earliest White. One of the earliest varieties.
- 4035. Dorothy Eckford. The new white of the largest and best type.
- 4087. Mont Blanc. Early forcing variety.
- 4096. Mrs. Sankay Spencer. See inside front cover
- 4104. Nora Unwin. Giant white.
- 4130. Shasta. A new large white.
- 4156. White Wonder. A large double variety.

## PALE YELLOW OR PRIMROSE

- 4111. Primrose Spencer. See inside front cover page.
- 4066. Hon. Mrs. E. Kenyon. A fine, large, clear primrose.
- 4092. Mrs. Collier. A large, very light variety.
- 4117. Queen of Spain. Soft buff color, medium size, hooded form.
- 4021. Queen Victoria Spencer. See inside front cover page.

## LIGHT PINK SHADES

- 4001. Agnes Johnson. Light pink, buff and cream.
- 4084. Miriam Beaver. See inside front cover page.
- 4059. Gladys Unwin. Pale rosy pink.
- 4053. Florence Morse Spencer. See inside front cover page.
- 4018. Bridesmaid. Deep carmine at midrib, shading to rose and pink; wings lighter carmine.
- 4007. Audrey Crier. See inside front cover page.
- 3095. Mrs. Routzahn Spencer. See inside front cover page.
- 4145. Sutton's Queen. See inside front cover page.
- 4159. W. T. Hutchins. See inside front cover page.

## DEEPER PINK SHADES

- 4026. Countess Spencer Variety. See inside front cover page.
- 4068. Janet Scott. Clear pink at the base and shading to buff at the edges.
- 4107. Paradise. See inside front cover page.

## ROSE AND VERY LIGHT PINK SHADES

- 4004. Apple Blossom Spencer. See inside front cover page.
- 4016. Blanche Ferry Spencer. See inside cover page.
- 4047. Earliest of All. The earliest variety grown. Bright rose standard with white wings.
- 4093. Mrs. Joseph Chamberlain Spencer. See inside front cover page.
- 4113. Princess Victoria. See inside front cover page.

## LIGHT PINK SHADED

- 4033. Dainty Spencer. See inside front cover page.
- 4081. Lovely. Both standard and wings have a blotch of deep pink at the base, shading to a delicate flesh tint at the edges.

## ORANGE PINK SHADES

- 1009. Aurora Spencer. See inside front cover page.
- 1017. Bolton's Pink. Pink shaded rose.
- 1051. Evelyn Byatt. A crimson-orange self.
- 1063. Helen Lewis or Orange Countess.
- 4065. Henry Eckford. Of extraordinary orange color.
- 4086. Miss Willmott. Richest orange pink, shaded rose.

## BRIGHT RED SHADES

- 4062. America. The brightest blood-red, striped white.
- 4075. King Edward VII Spencer. See inside front cover page.
- 4120. Queen Alexandra. Almost a true scarlet.
- 4136. Salopian. A fine deep rich red variety of shell-shaped form.
- 4127. Ruby Spencer. See inside front cover page.
- 4132. Saint George. Brilliant orange scarlet. Pkt 10c, oz 60c.



NORA UNWIN SWEET PEA

## ROSE CRIMSON SHADES

- 4046. Earl Cromer. Claret Magenta, self color.
- 4049. E. J. Castle. Rich carmine rose, with salmon shading in the standard.
- 4058. Geo. Herbert Spencer. See inside front cover page.
- 4057. Gaiety Spencer. See inside front cover page.
- 4079. Lord Roseberry. Bright rose suffused with magenta, showing veins of rose.
- 4115. Prince of Wales. A clear rose-crimson, self color, large and shell-shaped.
- 4091. Mrs. Chas. Mander. Magenta, darker wings.
- 4085. Miss Millie Maslin. Rosy crimson.  $\frac{1}{4}$  lb 30c, lb \$1.00.

## LAVENDER SHADES

- 4006. Asta Ohn. See inside front cover page.
- 4052. Frank Dolby. Largest and finest pale blue. Oz 15c,  $\frac{1}{4}$  lb 40c, lb 1.50.
- 4054. Flora Norton. A new variety, bright sky blue.
- 4064. Helen Pierce. Blue, with dark grain markings.
- 4076. Lady Grisel Hamilton. Giant lavender flowers.
- 4094. Mrs. Geo. Higginson, Jr. A clear azure blue.
- 4112. Princess Alice Spencer. See inside front cover page.
- 4116. Prince Olaf. Striped and mottled blue on white ground.  $\frac{1}{4}$  lb 30c, lb \$1.00.

## LAVENDER, MAUVE AND PURPLE SHADES

- 4036. Dorothy Tennant. Rosy purple, self colored.
- 4098. Mrs. Walter Wright Spencer. See inside front cover page.
- 4126. Romolo Piazzani. Rosy purple, turning blue with age. A fine, large variety.

## LAVENDER AND MAUVE SHADED, PICOTEE EDGED

- 4080. Lottie Eckford. White, shaded with lilac, with a deeper border at the edges.
- 4083. Maid of Honor. White with blue edge.
- 4108. Phenomenal. White, tinged rosy lavender.

## BLUE AND PURPLE SHADES

- 4020. Captain of the Blues. Purple and blue hooded form.
- 4034. David R. Williamson. Purple standard, blue wings.
- 4037. Duke of Westminster. Almost a clear purple.
- 4137. Senator. Pure white, striped and flaked with maroon and violet.

## DEEP MAROON SHADES

- 4013. Black Knight Spencer. See inside front cover page.
- 4106. Othello. It is a deep maroon of particularly rich velvet effect.
- 4125. Regina. Giant Black Michael.  $\frac{1}{4}$  lb 25c, 1 lb \$1.00.

## DARK MAROON AND VIOLET SHADES

- 4067. Horace J. Wright. Standard violet maroon, wings violet, large hooded form.
- 4078. Lord Nelson. A deep "navy blue."
- 4103. Navy Blue. Indigo and violet, wings violet and bright blue.



## SWEET WILLIAM DIANTHUS BARBATUS.

A splendid old-fashioned plant, producing its large heads of beautifully colored, sweet-scented flowers in great abundance. It is hardy, easily grown and flowers the second year from seed.

4187. **Giant Flowered Single.** An improvement on older sorts, both in variety of color and size of flowers and trusses. The single flowers are often simply enormous. Pkt. (100 seeds), 10c; 3 for 25c.  
4188. **Giant Flowered Double.** Like the above it is an improvement on the old-fashioned Sweet William, producing umbels of enormous size on stiff stems and in great variety of shades and colors. The single florets often measure 1 in. in diameter. Pkt. (100 seeds), 10c; 3 for 25c.  
4189. **SPECIAL OFFER.** One pkt. each 4187 and 4188 for 15c.  
4190. **Single, Many Colors Mixed.** Pkt., 5c; ¼ oz., 15c.  
4191. **Auricula Flowered.** A beautiful mixture of single varieties, showing a distinct eye. Pkt., 5c; ¼ oz., 15c.  
4192. **Double Mixed.** Pkt., 5c; ¼ oz., 20c.  
4193. **Double White.** Pkt., 5c. 4195. **Double Blood-Red.** Pkt., 5c.  
4194. **Harlequin.** One of the finest varieties. The flower clusters are large, the individual flowers being of various distinct shades. Pkt., 5c.  
4195. **Sweet William "Special Mixture."** All of the above in one packet. Pkt., 10c; 3 for 25c. (See also Novelties.)

**Thalictrum.** Very graceful, pretty-flowered plants, with finely-cut foliage; great favorites for planting in the hardy border.

(*Meadow Rue.*) 4200. **Adiantifolium.** 15-18 in. Finely-cut Maidenhair fern-like foliage and yellow flowers. Pkt., 10c.

4201. **Flavum** (False Rhubarb). 2-4 ft. Flowers yellow. Pkt., 10c.

**Thunbergia.** 4208. 4 ft. Beautiful trailing plants for hanging baskets and lawn vases. Flowers flaring, trumpet shaped (*Black-Eyed Susan*) Mixed, all colors. Pkt., 5c; ¼ oz., 15c.

## TORENIAS.

These are easily started and soon come into bloom, becoming bushy, globular plants 8 to 10 inches high, literally covered with the lovely, richly colored, snap-dragon-like flowers. They are excellent for beds, pot or hanging baskets.

4212. **Fournieri Compacta.** The flowers are of an exquisite blue. The habit of the plant is very graceful and compact, and they are covered with flowers the whole summer. Pkt., 5c.

4213. **Bailloni.** Deep yellow. Pkt., 10c.

4214. **White Wings.** White, light flush of rose at base of throat. Pkt., 5c.

4215. **Torenia, Mixed.** The above three kinds. Pkt., 10c.

**Valerian.** 4250. (*Garden Heliotrope.*) H.B. 3 ft. Showy, hardy border plants, producing large corymbs of fragrant flowers; fine for bouquets; red and white mixed. Pkt., 5c.

**Veronica.** 4395. **Spicata.** H. P. 18 in. An elegant, hardy border plant, bearing all summer, long spikes of bright blue flowers, which lengthen with age. Pkt., 10c.



Vaughan's Giant Sweet William.

## VERBENA.

Single plants of this pretty annual creeper will carpet a space 3 to 4 feet in diameter with neat foliage and scores of fine flower umbels. For beds, borders, mounds, vases and window-boxes it is particularly fine, and is frequently used for an undergrowth to tall plants like lilies. The plants bloom from early summer until frost.

## MAMMOTH VERBENAS.

A carefully selected and improved fine strain of Verbenas. The trusses and individual flowers are of the largest size, of brilliant colors; free-blooming and of vigorous habit. For best results seed should be sown early in the house or hotbed, and transplanted in the beds in May.

- |   |                                       |
|---|---------------------------------------|
| 4260. White.                            | 4264. Striped.                        |
| 4261. Purple.                           | 4265. Striped on red ground.          |
| 4262. Scarlet.                          | 4266. Pink and Carmine Shades.        |
| 4263. Firefly, scarlet, with white eye. | Each of above, pkt., 10c; ¼ oz., 40c. |
| 4270. Vaughan's Mammoth Mixed.          | Pkt., 10c; ¼ oz., 25c.                |

## THE OLD TYPE VERBENAS.

- |                                      |                             |
|--------------------------------------|-----------------------------|
| 4271. White.                         | 4274. Striped.              |
| 4272. Scarlet.                       | 4275. Dark Blue, white eye. |
| 4273. Purple.                        | 4276. Yellow.               |
| Each of above, pkt., 5c; ¼ oz., 25c. |                             |

4280. **VERBENA.** Many colors, good mixed. Pkt., 5c; ¼ oz., 10c; oz., 60c.

4281. **VERBENA.** Extra choice mixed. Pkt., 10c; ¼ oz., 15c; oz., \$1.00.

**Dwarf Verbena.** This dwarf strain of Verbenas is especially suited for bedding and edging, growing only about 6 in. high, and well branched and covered with flowers, making an even carpet of leaf and blossom.

- |                      |            |                    |                |
|----------------------|------------|--------------------|----------------|
| 4285. Dwarf White.   | Pkt., 10c. | 4287. Meteor.      | See Novelties. |
| 4286. Dwarf Scarlet. | Pkt., 10c. | 4289. Dwarf Mixed. | Pkt., 10c.     |

## VARIOUS VERBENAS.

4290. **Sweet-scented Verbena** (*V. citriodora*). An attractive greenhouse shrub, grown for the delightful citron scent of its light green leaves. It is easily grown from seed. Pkt., 10c.

4291. **Erinoides** (*Moss Verbena*). Small violet; large bloomer, pretty. Pkt., 10c.

4292. **Erinoides, Alba.** Dazzling white; large profuse bloomer. Excellent. Pkt., 10c.

4293. **Venosa.** This variety is largely used for bedding purposes. It is a strong, thrifty grower, about one foot high, and covered from early Summer until late Fall with its bright purplish-heliotrope flowers. Pkt., 5c.

4294. **Odorata.** Seed can be sown in the open ground early in the spring, where they will be in bloom in a few weeks. The blossoms run up into spikes, usually 3 or 4 inches long. Very sweet scented and pure white. Pkt. (100 seeds), 5c.

The easiest, surest, cheapest and best way to secure thrifty Verbenas, with abundant bloom, is to raise the plants from seed.

## "VAUGHAN'S BEST"

## MIXTURE OF VERBENAS.

4299. This mixture embraces all that is choice and desirable in Verbenas. It includes the Mammoth Flowered strains of three celebrated Verbena specialists, the dazzling Defiance the Mammoth Snowball, Purples, Striped and all the Auricula-Flowered varieties with their large umbels of white-eyed flowers, the new Mammoth Red and Pinks, and Howard's "Royal Splendor" Verbenas. We feel perfectly safe in stating that this mixture of Verbenas will eclipse every other strain offered by any other house, and it will produce flowers that will delight all beholders throughout the whole Summer. Pkt. (125 seeds), 15c; extra large pkt., 25c; ¼ oz., 50c; oz., \$3.00.



Type of "Vaughan's Best" Verbena.





**VIOLAS, OR TUFTED PANSIES.**

While the Pansy proper is essentially a spring flower, the Violas here offered flower throughout the entire season. Seed sown in spring produce flowering plants by June, and from then on until frost they are a sheet of bloom.

4309 **Lutea splendens.** Rich golden-yellow. Pkt., 10c.

4310 **Blue Perfection.** Deep blue. Pkt., 10c.

4311 **White Perfection.** A fine white. Pkt., 10c.

4312 **Mixed.** A splendid mixture of the best varieties. Pkt., 10c; ¼ oz., 50c.

**SPECIAL MIXTURE 4313** See Novelties.

4314 **Odorata** (Single Sweet Violet). Well-known fragrant spring-blooming plants; seed takes 3 to 6 months to germinate. Pkt., 10c.

**Vinca.** (Madagascar Periwinkle or Old Maid.) Ornamental free-blooming plants; seed must be sown early and then the plants will bloom the first summer. They can be taken up in the fall like Chrysanthemums, potted and kept in bloom through the winter.

4300 **Pink.** 4301 **White with Pink Center.**

4302 **Pure White.** 4303 **Mixed Colors.** Pkt., each, 5c.

**WALLFLOWER.**

**Gold Lack.** Wallflowers should be better known. Their adaptability for pot culture and outdoor bedding and their peculiarly sweet odor, should win favor. They are easily grown, and last long as cut-flowers.

4330 **Single.** Mixed. Pkt., 5c. 4331 **Double sorts.** Extra Mixed. Pkt., 10c.

4332 **Annual Wallflowers.** Seed sown in the open ground the first of May will commence blooming in July, and if started earlier in the house or in hotbeds, they can be had in profusion from early in June until late autumn. The blossoms are exceedingly sweet-scented. Pkt., 10c; 3 for 25c.

4333 **Goliath.** A splendid single variety for forcing; flowers of a rich shining red with a black velvety sheen. Pkt., 10c.

**Wild Cucumber.** 4338 This is the quickest growing climber on our list. Grows wild, self-sown, in many parts of the west. It will grow 30 ft. in one season. It is thickly dotted over with pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For a trellis or pillar no annual vine is more chaste, and it will quickly cover an old tree or an unsightly building. Pkt., 5c; ½ oz., 10c; oz., 15c; ¼ lb., 40c; lb., \$1.50.

**Virginia Stocks.** 4320 **Mixed.** Oz., 15c; pkt., 5c.

**Zea Japonica FolVar.** 4345 **Japanese Striped Maize.** Oz., 15c; pkt., 5c.

**Quadriflor Perfecta.** 4346 This splendid variety differs from Zea Jap. Quadriflor by its dwarfer and bushier habit and also by the more intense coloring of the broad yellow, green, rose and dark red stripes on the leaves. Pkt., 10c.



Wild Cucumber.

**ZINNIA.** (Youth and Old Age.)

The Double Zinnia is one of the easiest grown and most showy of garden annuals. The plants come quickly from seeds, are easily transplanted, and make a fine display in a bed or border or among shrubbery. Each flower lasts for several weeks, and the plants bloom abundantly until destroyed by frost.

**Double Liliput or Fairy Zinnia.** 4360 Another "good thing"; don't miss it. This is one of the most charming of annual flowers. The plants form handsome little bushes about 15 in. high, and fairly bristle with tiny, short-stemmed, very double flowers, hardly exceeding a Daisy flower in size. They are exceedingly pretty plants, bloom all summer long and until late in fall. Pkt., 10c; 3 for 25c.

4361 **Red Riding-Hood.** This little gem grows but a foot high; of compact form and covered the entire season with little button-like, intense scarlet very double flowers not over an inch across; as a border it is highly effective. Pkt., 10c; ¼ oz., 25c.

4362 **Crested and Curled.** The flowers are large, the petals being twisted and curved into most graceful forms. The colors comprise all the brilliant shades characteristic of the Zinnia. Pkt., 10c; ¼ oz., 20c.

4363 **Zebra.** A very pretty strain with striped flowers. As the colors vary on each plant, they present a curious as well as beautiful appearance. Pkt., 5c. ¼ oz., 25c.

4365 **Mexican Hybrid Zinnias.** These new Hybrids produce flowers of the size of a large Daisy. They are single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. In it are found shades peculiar to the Marigold, the Gaillardias and Chrysanthemums. They are extremely pretty, very free-flowering. Pkt., 10c.

4366 **Haageana Fl. Pl.** (Mexican Zinnia). A splendid miniature-flowering double variety, growing 12 to 15 inches high; flowers perfectly double, of bright golden orange; as a border or line this deserves wide cultivation. Pkt., 10c; ¼ oz., 25c.

4367 **Double White.** 4369 **Double Scarlet.**

4368 **Double Golden-yellow.** 4370 **Double Pink.**

Each, pkt., 5c; ¼ oz., 20c.

**Jacqueminot.** 4371 This splendid variety belongs to the double dwarf section, and forms fine bushy plants about 18 in. high, bearing in countless numbers throughout the entire season handsome, perfectly double flowers of a vivid and velvety rich scarlet-crimson. Pkt., 10c.

4374 **Mixture of double Zinnias.** Many colors. Pkt., 5c; ¼ oz., 15c; oz., 25c.

**Double Pompon Zinnia.** 4376 A very fine strain, containing many rich colors and shades. The plants grow about 2 ft. high, and the flowers are in size between the Liliput and the Large Flowering. Very desirable. Pkt., 5c; ¼ oz., 15c.

**Vaughan's Giant Flowered Zinnia.** 4377. This is a mixture of the largest Zinnias yet obtained, plants being of vigorous growth, about 3 ft. high, and very profuse of bloom. The flowers are extremely double and very brilliant in color, showing shades not found in any former collection while in size they surpass all other Zinnias, often 4 to 5 in. in diameter. It also includes the Mammoth Zebra strain, equal in size to the largest, and striped and marked in scarlet and gold, white and scarlet and other combinations. Pkt., 10c; ¼ oz., 30c.



Type of Vaughan's Giant Flowered Zinnia.





## Amaryllis

Very popular for house culture and easily grown by everyone, the chief point being to give the bulbs alternate periods of rest and growth. When the leaves appear give water and plenty of light, after flowers are off and leaves have started to turn yellow withhold water and put away from light. Do not start growth again until bulb shows signs of life itself, which it will do (even when soil is perfectly dry) by pushing out new leaves.

**Belladonna Major.** Fine variety for fall blooming, very free flowering and fragrant. Flowers which are a lovely shell pink color, are borne on stems 2 to 2½ ft. high. Mammoth bulbs, 35c each. Selected bulbs, 20c each; doz., \$2.00, by express at purchaser's expense.

**Burbank's Vittata Hybrids.** These are unnamed seedlings, secured from that famous hybridizer, Luther Burbank. The flowers cannot be surpassed for their richness of color and markings, spikes are usually from 2 to 3 feet in height, bearing from 3 to 5 enormous trumpet shaped flowers, measuring sometimes ten inches across. Something new and distinct in Amaryllis and should be given a trial by everyone. Each, 50c; 3 for \$1.25; doz., \$4.75; 25 for \$7.50, by express at purchaser's expense.

**Johnsoni.** Has immense trumpet-shaped flowers, which measure 6 to 8 in. across, are borne on strong, fleshy flower spikes and are of rich, deep velvety crimson, each petal having a broad white stripe, contrasting beautifully with the deep red color. Large bulbs, each, 25c; 3 for 60c. Mammoth bulbs, each, 40c; 3 for \$1.00, by express at purchaser's expense.

**Formosissima.** One of the most popular of the Amaryllis family, flowers are of a beautiful dark scarlet, strangely marked. Planted outdoors after danger of frost is over will bloom during the summer, and if lifted in early fall, can be carried over winter like the Gladiolus. Large bulbs, each, 10c; 3 for 25c; doz., 90c, by express at purchaser's expense.

**Apios Tuberosa.** Splendid hardy climber that is not well enough known. Will grow to a height of 8 to 10 feet, vine and foliage resembling a miniature Wistaria flower; are very fragrant and of a deep purple color. 2 for 10c; 5 for 20c; doz., 45c; 100 for \$2.50, postpaid.

### NEW AND RARE CALLAS.

**Elliotiana.** Flowers are of a rich golden yellow, often measuring from 4 to 5 inches across. Foliage is the same as that of the well known Spotted Calla, deep green with white spots. Each, 25c; 3 for 65c; doz., \$2.40.

**Rhemanni.** New variety which has created a sensation in Europe. A strong free grower with large flowers of a beautiful pink color. Each, 35c; 3 for 75c; doz., \$3.00.

**Spotted Leaf.** Similar to the well-known White Calla, but having its glossy, dark, rich green foliage marked and dotted with numerous white spots. The flowers are pure white, with dark throat. Each, 10c; doz., \$1.00.

**Cinnamon Vine.** Well-known, hardy climber; quick grower, with beautiful glossy heart-shaped leaves and sweet scented flowers. Vines will run 25 or 40 feet in one season; good roots. Each, 5c; doz., 50c; 100 for \$3.50. Extra large roots, 10c each; 3 for 25c; doz., \$1.00; 100 for \$6.00.

**Chlidanthus Fragrans.** Of free flowering habit, with beautiful lemon flowers, very fragrant, being a combination between the Lilac and the Tuberosa. Each, 10c; 3 for 25c; doz., \$1.00.

### TUBEROUS ROOTED BEGONIAS

Unexcelled for summer bedding, making a brilliant show throughout the entire season. Should be planted in very rich, well drained soil and in a location where they will be protected from the direct rays of the sun during the hottest part of the day.

**SINGLE SORTS—White, Scarlet, Yellow, Pink.** Each, 7c; 4 for 25c; doz., 70c; 100, \$5.00.

**SINGLE MIXED COLORS.** Each, 5c; 4 for 18c; doz., 50c; 100, \$3.75.

**DOUBLE SORTS—White, Scarlet, Yellow, Pink.** Each, 12c; 4 for 45c; doz., \$1.25; 100, \$8.00.

**DOUBLE MIXED COLORS.** Each, 10c; 4 for 35c; doz., \$1.00; 100, \$7.00.

### NEW FREE-FLOWERING TUBEROUS BEGONIAS.

**Bertini.** 10 to 12 inches high; single flowering, elongated petals, vermilion color. The flowers are produced on graceful stems well above the foliage, and for brilliancy of color cannot be surpassed. Each, 20c; 3 for 55c; doz., \$2.00; 100, \$15.00.

**Cristata.** Curious strain of Single Begonias with flowers of good size, bearing on each petal a crest or beard composed of curiously twisted threads which give flowers an interesting appearance. Each, 20c; 3 for 55c; doz., \$2.00; 100, \$15.00.

**Cardinal.** 12 to 15 inches high. As grown in our trial grounds this variety has proven to be one of the best sun resisting Begonias in existence. Flowers are single, of a dark rosy scarlet, and measure 2½ to 3 inches in diameter. Plants are of strong vigorous habit, and free flowering. Each, 25c; 3 for 65c; doz., \$2.50; 100, \$18.00.

**Graf Zeppelin.** Of dwarf habit, 6 to 8 inches in height. Double flowers of rich scarlet. Each, 20c; 3 for 55c; doz., \$2.00; 100, \$15.00.

**Lafayette.** A splendid bedding variety. Flowers are of a most brilliant fiery scarlet, double, and borne upright on their stalks. One of the best for bedding, as it blooms all summer. Each, 25c; 3 for 60c; doz., \$2.25; 100, \$16.00.

### CALADIUM ESCULENTUM Elephant's Ear.

One of the most effective and easily grown foliage plants for the lawn or border. Can be used with good effect as a border for tall-growing Cannas when edged with Coleus or other low-growing foliage plants. Will thrive in any ordinary garden soil, but to get the best results plant in rich soil and give plenty of water. With such treatment a select size bulb will make a plant about 5 ft. high with leaves 3 ft. long and 20 in. wide.

**FIRST SIZE BULBS.** 1½ to 2½ inches in diameter; each, 7c; 3 for 18c; doz., 60c; 100, \$4.00. Postage, 3c each, extra.

**SELECT SIZE BULBS.** 2½ to 3 inches in diameter; each, 10c; 3 for 25c; doz., 85c; 100, \$6.00. Postage, 5c each, extra.

**EXTRA LARGE BULBS.** 3 to 4 inches in diameter; each, 15c; 3 for 40c; doz., \$1.50; 100, \$10.00. Postage 10c each, extra.

**MAMMOTH SIZE.** Beautiful bulbs. Each, 25c; 3 for 70c; doz., \$2.50; 100, \$15.00. Postage, 15c each, extra.

**Crinum Kirki.** The flowers are fragrant, petals broad and white, with a deep purple reddish stripe through the center. Usually two flower stalks are sent up, each bearing a large cluster of 12 to 20 flowers. Large bulbs, 40c each; 3 for \$1.00, postpaid.

Amaryllis Vittata Hybrids.



BEGONIA LAFAYETTE



Caladium  
Esculentum

Showing Tropical Effect Obtained from Planting in Border.



## GLADIOLI SPLENDID SUMMER FLOWERING BULBS

Our stores at Chicago and New York have taken a front rank in the last few years in growing and wholesaling the Gladioli.

No flower gives such splendid results from easy, simple culture. We have introduced two remarkable kinds in recent years—Priniceps, the \$1,000 wonder, and Mrs. Francis King, the remarkable cut flower sort. In addition, we are selling 100,000 Bulbs per year of another popular kind besides a million bulbs of other classes.

We have become headquarters for all the best selections in quantities, and florists are planting our named early flowering types in five to ten thousand lots, growing them under glass and in larger quantities for cut flowers in the fields.

You will make no mistake in buying all Gladiolus bulbs at our stores.

Prices on single bulbs and dozens include postage; 50 and 100 lots are not prepaid.

**AUGUSTA.** Pure white, blue anthers. Each 4c, doz 40c, 100 for \$2.50.

**BRENCHLEYENSIS.** Intense fiery scarlet. Very showy. Each 3c, doz 25c, 100 for \$1.75.

**CANARY BIRD.** Clear canary yellow, finest yellow Gladiolus in existence. Each 10c, doz \$1.00.

**CERES.** White, spotted purplish rose. Each 3c, doz 25c, 100 for \$1.75.

**CHAMONT.** Lilac shaded purple. Each 8c, doz 85c.

**CHRYSOLOLA.** Golden yellow, fine variety. Each 25c, doz \$2.00.

**CONTRAST.** Color intense scarlet, with large pure white center. Flowers are of great substance. Each 30c, doz \$3.00.

**CORSAIRE.** Dark velvety scarlet, compact spike. Each 10c, doz \$1.00.

**COUNTESSE CRAVEN.** Rose flaked carmine. Each 8c, doz 85c.

**DR. HOGG.** Mauve suffused rose, white center. Each 8c, doz 85c.

**EMMA THURSBY.** Striped carmine, on white ground. Each 5c, doz 50c, 100 for \$3.00.

**EUGENE SCRIBE.** Tender rose, blazed carmine red. Each 8c, doz 75c.

**GLORY OF BRIGHTWOOD.** Scarlet, lemon throat. Each 7c, doz 75c.

**ISAAC BUCHANAN.** Fine clear yellow, large spike. Each 8c, doz 75c.

**JESSIE.** Rich velvety red, fine spike, early bloomer. Each 3c, doz 30c, 100 for \$2.00.

**MADAM MONNERET.** Rose color. Each 5c, doz 50c, 100 for \$3.00.

**MAY.** Pure white flaked rosy crimson. Each 4c, doz 35c, 100 for \$2.00.

**OCTOROON.** Clear salmon pink, large flowers. Each 5c, doz 40c.

**FACTOLE.** Yellow tinged with rose at the edges. Each 10c, doz \$1.00.

**REINE BLANCHE.** Pure white, dark carmine blotch. Each 5c, doz 50c.

**SHAKESPEARE.** Blush white with large rosy blotch. Each 8c, doz 75c, 100 for \$5.00.

**SULPHUR KING.** One of the best and clearest yellows, fine large spike. Each 20c, doz \$2.00.

**SPECIAL OFFER, No. 500B.** Two each of following six, mailed postpaid for 50c. Augusta, Ceres, Eugene Scribe, Isaac Buchanan, Octoroon, Shakespeare.

### GIANT FLOWERED—Childsii Type

There are positively no Gladioli in the world that equal the best named kinds of this Grand Class, perfected and developed by the world's greatest Gladioli expert, the late Edward V. Hallock. There are scores of so-called Hybridizers and self-exploited experts in America, but they can all be forgotten when you plant 25 different named Childsii kinds.

**ALINE.** Pure white, slightly striped crimson, flower is wide open. Each 30c, doz \$3.00.

**ATTRACTION.** Deep rich crimson, with large white center and throat. Each 15c, doz \$1.50.

**BLANCHE.** Large pure white flowers with but faint markings. Plant is of medium height and is rarely blown over. Each 15c, doz \$1.50.

**BRILLIANT.** Orange red, carmine and white throat. Each 7c, doz 75c.

**CARDINAL.** Large handsome spike; color, clearest and most intense scarlet. Each 20c, doz \$1.75.

**COLUMBIA.** Light orange, scarlet, blotched and pencilled with bluish purple; throat freely mottled. Each 5c, doz 50c.

**DEBORAH.** Dark red, tinged with amaranth. Each 7c, doz 75c.

**EVA.** Rose shaded, marked with slate. Each 7c, doz 75c.

**GOVERNOR McCORMICK.** Large flower and truss. Beautiful rose, mottled with silver gray, white throat. Each 7c, doz 75c.

**HENRY GILLMAN.** Salmon scarlet, white bands. Each 5c, doz 50c.

**IRENE.** Pink flaked with crimson, open flower. Each 10c, doz \$1.00.

**I. S. HENDRICKSON.** Large handsome spikes, color an irregular mottling of white and pink. Each 20c, doz \$1.75.

**KATE.** Fine bluish white, crimson blotch in throat. Each 5c, doz 50c.

**LITTLE BLUSH.** Blush white, dwarf. Each 5c, doz 50c.

**MOHONK.** Dark pink, spotted throat; large. Each 10c, doz \$1.00.

**MRS. BEECHER.** Beautiful deep rosy crimson, well opened flower, pure white throat freely marked and spotted. Each 10c, doz \$1.00.

**SUNLIGHT.** Light crimson with canary yellow throat. Each 10c, doz \$1.00.

**SUPERB.** Large flower, pink, flaked and striped with salmon pink. Each 10c, doz \$1.00.

**VARIABLES.** Blue black flaked pink. Each 7c, doz 75c.

**WM. FALCONER.** Flowers of enormous size, light pink and blush mottled. Each 5c, doz 50c.

**SPECIAL OFFER, No. 600B:** Two each of the following six varieties, sent by mail postpaid, for 70c. Blanche, Columbia, Henry Gillman, Mohonk, Kate, Wm. Falconer.

### VAUGHAN'S MIXTURES—How Made

Our mixtures are made up from first-class named kinds and high grade special selections made in the growing fields; in this way we are sure of the right proportion of all most desirable and attractive colorings.

#### RAINBOW MIXTURE

This name has been chosen by us for the highest quality blendings of the many excellent named varieties shown on this page, including Childsii kinds with several other choice varieties of which we do not have sufficiently large quantities to offer in our catalogues. This is the best mixture we can make up and we believe unexcelled by that offered by any other American firm.

Price, 4 for 25c, doz 70c, postpaid; by express, 50 for \$2.25, 100 for \$4.00, 250 for \$9.00.

#### EXTRA FINE

This splendid mixture is grown for us by Gladioli specialists each year and besides the mixture as originally grown many choice new kinds, including some Childsii, are added to the stock before sending it out to our customers. This insures a wide range of colors, shades and types.

Price, 4 for 20c, doz 50c, postpaid; by express, 50 for \$1.65, 100 for \$2.85.

#### "CHILDSII FINE"

This mixture contains a very complete range of all the splendid Childsii varieties. Included in this are many Childsii seedlings not yet named.

Price, 4 for 20c, doz 50c, postpaid; by express, 50 for \$1.75, 100 for \$3.25.

All the Gladioli offered are strictly first-size bulbs unless mentioned otherwise.

#### VAUGHAN'S SEEDLINGS

We make up this assortment from unnamed seedlings of our own and from several Gladiolus specialists. This mixture contains excellent values.

Price, 4 for 15c, doz 40c, postpaid; by express, 50 for \$1.25, 100 for \$2.00, 250 for \$4.00.

#### LEMOINE'S HYBRIDS

This distinct type is known also as Butterfly Gladioli. The flowers are somewhat hooded, but the colors are brilliantly blotched and marked. Flower spikes do best when staked.

Price each 5c, doz 25c, postpaid; by express, 25 for 45c, 100 for \$1.75.

#### GOOD MIXED

We have thrown away all the common and cheap left-overs which our trial grounds have proved to exist in ordinary mixtures offered by us, and we do not intend to send out any mixtures, even of our cheapest, that will not make brilliant showing in the gardens of our customers.

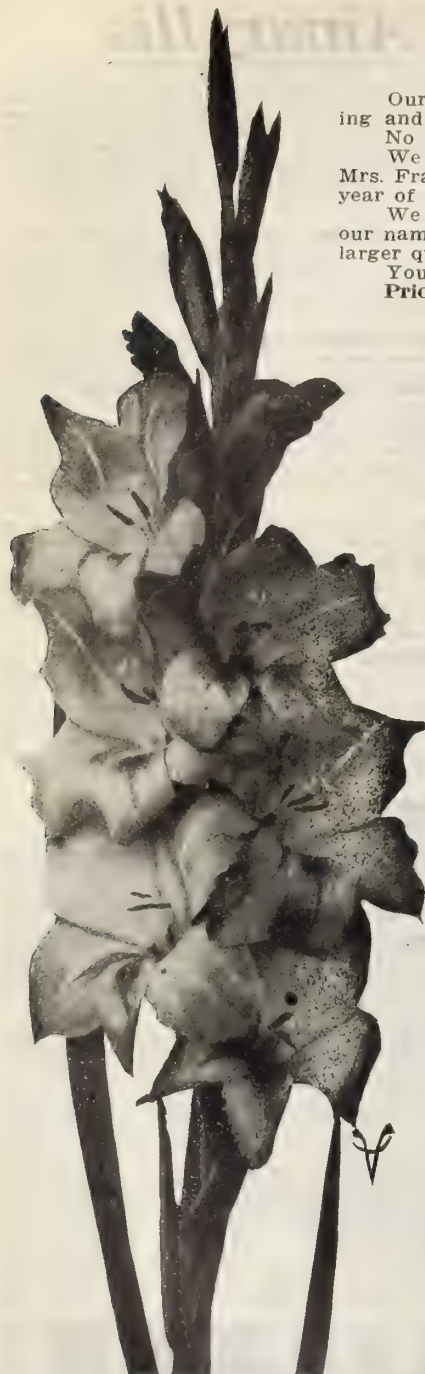
This one, our cheapest, which we call "GOOD MIXED," will be found satisfactory for everywhere excepting in the flower beds of the most critical. They are useful for mixed beds, borders and where large masses are to be planted.

Price, 4 for 12c, doz 30c, postpaid; by express, 50 for 90c, 100 for \$1.50, 250 for \$3.00, 500 for \$5.50.

#### GLADIOLUS IN COLORS

All large flowering bulbs. Postpaid. Express at buyer's expense.

	Each	Doz.	Per 50.	100.
Red and Scarlet Shades	\$.04	\$0.35	\$0.85	\$1.50
Scarlet White Throat	.06	.50	1.35	2.50
Pink Shades	.05	.40	1.10	2.00
Yellow Shades	.07	.65	2.50	4.50
Striped Shades	.06	.50	2.00	3.50



MRS. FRANCIS KING

For price and description see page 16.

### TEN BEST GLADIOLI

Selected from our list as being best varieties to date.

**Priniceps,** \$1,000 scarlet.

**Aline,** extra large open white.

**Blanche,** White with faint marks.

**Contrast,** Intense scarlet, white center.

**Mrs. Francis King,** Light scarlet, new.

**America,** Soft flesh pink, new.

**Baron Hulot,** finest blue.

**I. S. Hendrickson,** Large white and pink.

**Shakespeare,** White suffused rose.

**Canary Bird,** Finest yellow.

Special Offer, Ga., 1 each of above, 10 bulbs for \$1.35, prepaid.

Special Offer, Gb., 5 each of above, 50 bulbs for \$6.50, prepaid.

Special Offer, Gc., 10 each of above, 100 bulbs for \$12.50, prepaid.





**GIANT FLOWERED GLOXINIAS  
MADEIRA VINES**

One of the best and most popular climbers, not for the flower which is insignificant, but for its leaves which are small dark green and very dense. Vine is of slender growth and will succeed in any location, doing best however, in a sunny sheltered place. Not hardy and roots should be taken up in fall. Strong Tubers, each 5c, 3 for 12c, per doz 40c, postpaid; 25 for 75c, 100 for \$2.50 by express.

**MILLA BIFLORA (Mexican Star Flower)**

Very effective summer flowering bulb; can be grown in garden or pots. Height 12 to 18 inches. Flower clear waxy white, star shaped, about 2 inches across and borne in pairs. Very fine as a cut flower; will keep for days. Plant in sunny location, about 6 inches apart. Each 5c, doz 50c, postpaid \$4.00 per 100.

**MONTBRETIAS**

One of the brightest and best of Summer flowering bulbs. Plant in clumps of six to twelve bulbs in May or June. They greatly resemble the Gladioli in growth and produce beautiful spikes of star-shaped flowers in various shades of orange, yellow and red. Mixed varieties, 3 for 10c, per doz 30c, 100 for \$2.00, postpaid.

**SUMMER FLOWERING OXALIS**

These useful little plants are very effective in masses or beds and are particularly valuable for edgings. They produce an unbroken row of foliage about one foot high and continuous show of bloom. Pure white, pink or red. Either color, per doz 10c, 35 for 25c, 100 for 50c, postpaid.

**TIGRIDIAS (Peacock or Shell Flower)**

Extremely handsome summer-flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted; they flower very freely through the Summer.

**CONCHIFLORA.** Rich yellow, spotted red.

**SPECIOSA.** Scarlet.

**GRANDIFLORA ALBA.** White, with red spots.

**CANARIENSIS.** Yellow, spotted, scarlet.

Price of any of above, each 5c, doz 50c, 100 for \$3.50, postpaid.

**TIGRIDIAS,** mixed colors. Each 5c, doz 45c, 100 for \$3.00, postpaid.

**Special Summer Collection**

**85 BULBS \$1.50  
FOR**

Sent by express at buyer's expense.

- 12 MADERIA VINES,
- 7 HYACINTHUS CANDICANS,
- 3 ZEPHYRANTHUS CANDIDA,
- 12 TUBEROSES, DWARF PEARL,
- 12 MONTBRETIAS,
- 36 OXALIS, in 3 colors,
- 3 ISMENE CALATHINA.



**MAMMOTH PEARL TUBEROSE**

## Tuberose and Other Summer Flowering Bulbs

### GLOXINIAS New Giant Flowering Hybrids

Beautiful tuberous rooted plants of dwarf habit and one of the most useful pot plants for indoor culture. Flowers are trumpet shaped, borne erect above the leaves and of exceedingly rich coloring and marking, ranging from deep scarlet to violet blue.

Use part leaf mold and sand in potting as they like a light soil; be careful in watering so as not to wet the leaves, otherwise they will spot and plant lose part of its beauty.

**EMPEROR FREDERICK.** Red; with a pure white border.

**MONT BLANC.** Pure white.

**DEFIANCE.** Rich crimson-scarlet.

**EMPEROR WILLIAM.** Violet-blue, with white throat tinged and spotted; beautifully streaked and spotted.

Each 15c, 3 for 40c, doz \$1.50, postpaid.

Mixed colors, each 10c, 3 for 25c, doz \$1.00.

### HYACINTHUS CANDICANS (Summer Hyacinth)

Splendid bulb for planting in the perennial border, being perfectly hardy and of vigorous growth. Flowers are pure white and pendulous, borne on stalks four feet high. Plant in rear on account of tall growth. Each 6c, 3 for 15c, doz 60c, postpaid; by express, 25 for \$1.25, per 100 \$4.00.

### IPOMOEA PANDURATA

Rapid growing climber, absolutely hardy, thriving in almost any soil. Flowers are abundant, pure white with purple throat, foliage is luxuriant. One of the best climbers for northern latitudes.

First size roots, postpaid, 15c, doz \$1.50. Extra size roots, by express, each 25c, doz \$2.50.

### ISMENE CALATHINA

This curious plant throws up its flower spikes as soon as growth commences and before the leaves. Flowers are pure white borne three or four on a stem and are very fragrant. Not hardy. Treat bulb same as Gladiolus. 20c each, 3 for 50c, doz \$1.75.

### TUBEROSES

One of the best known and most easily grown summer flowering bulbs. Easily recognized by its exquisite fragrance and beautiful flower spikes, which are borne on long stems, making it an admirable cut flower for house decoration. If started in pots and then transplanted to open ground, can be had in flower much earlier.

### EXCELSIOR DWARF PEARL Mammoth

Our "Mammoth Excelsior Dwarf Pearl" is a special selection made for many years of the most Dwarf, double, and full flowered spikes and is exceptionally sturdy and dwarf in habit. This "Mammoth strain" is positively the highest type of the Tuberose. The kind to grow if you desire "prize" blooms. Price, each 7c, 4 for 25c, per doz 65c, postpaid; by express, each 5c, doz 50c, per 100 \$3.00. We supply 25 and over at the 100 rate.

**First Size Bulbs.** 3 for 15c, per doz 50c; postpaid by express, 3 for 12c, doz 35c, per 100, \$2.00.

**Second Size Bulbs.** All flowering, often sold by so-called "Bargain Stores" under the name "first-class." 6 for 15c, doz 25c, postpaid; by express, 6 for 12c, doz 20c, per 100 \$1.00.

### ARMSTRONG'S EVER-BLOOMING

This variety blooms year after year and produces single pure white flowers of a fragrance similar to that of the "Jasmine." It makes a splendid cut flower and should be in every one's garden.

Each 7c, 4 for 25c, doz 60c, postpaid.

**SILVER LEAVED.** This is an early single kind, with striped leaves, making a grand show on account of its striking foliage. Each 5c, doz 50c, postpaid.

**SINGLE.** Sometimes called Orange Flowered. Blooms very early and are exceedingly graceful and pretty. Each 4c, 3 for 10c, per doz 35c, postpaid.

**ALBINO.** New branching single variety, blooming much earlier than the old single variety, fine for cut flowers. Each 5c, per doz 40c, postpaid.

### SPIDER LILY, PANCRACTIUM

Beautiful flat clusters of large pure white flowers, the petals of which are narrowed and wide spread, giving each a "spidery" effect. They have a sweet fragrance that is not oppressive. Price, large bulbs, each 15c, doz \$1.50.

### ZEPHYRANTHUS

One of the prettiest and most easily grown bulbs for pot culture. Plant three or four bulbs in a five or six-inch pot. Treat in garden same as a Gladiolus.

**ROSEA.** Beautiful clear rose flowers large and very handsome; blooms all summer. Each 5c, doz 50c, postpaid.

**CANDIDA.** Pure white and the most profuse bloomer of all. 3 for 10c, doz 30c, 100 for \$2.00, postpaid.



**LILIAM AURATUM**

**SPECIOSUM MELPOMENE.** A most beautiful variety. Flowers frosted white, spotted, clouded and bearded with pinkish crimson. Petals are recurved and widely bordered. First size, about 8 to 9 inches in circumference, each 20c, 3 for 50c, per doz \$1.50, 25 for \$2.25, 100 for \$8.00; mammoth bulbs, about 9 to 11 inches, each 35c, 3 for 90c, per doz \$1.85, 25 for \$3.25, 100 for \$12.00.

**BROWNII.** One of the most handsome Lilies; large trumpet-shaped flowers, usually 10 to 12 inches in length. Chocolate purple outside, pure white inside; stamens a rich chocolate-brown. Each 60c, per doz \$7.00, postpaid.

**CANADENSE** (Meadow Lily). This pretty Lily is one of our hardy native sorts, and bears a graceful stem of drooping, bell-shaped yellow and red flowers. Extra-sized bulbs, each 10c, per doz \$1.00, postpaid; by express \$1.75 for 25, \$6.00 per 100.

**ELEGANS BICOLOR.** Perfectly hardy and will succeed in almost any situation. Flowers large and showy; bright red, flushed orange. Each 10c, 3 for 25c, per doz \$1.00, postpaid; by express \$2.00 for 25, \$7.00 per 100.

**HENRYI** (New). Flower bright apricot-yellow, form same as the Speciosums which are illustrated on this page. When established it grows tall and is one of the most free-flowering of all lilies, hence its popularity. Stock scarce. Each 75c.

**LILIAM SPECIOSUM RUBRUM**

## HARDY GARDEN LILIES

Unless otherwise mentioned, price of single bulbs and lots of 3 include postage; the dozen, 25 and 100 prices are by express at purchaser's expense.

### AURATUM, Gold Banded

The most beautiful and popular variety of all the Lily family; should be in every garden. Illustration on this page is taken from a photo of a plant grown from one bulb in the garden of one of our customers. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. First size, about 8 to 9 inches in circumference, each 20c, 3 for 50c, per doz \$1.25, 25 for \$1.75, 100 for \$6.00; mammoth size, about 9 to 11 inches, each 35c, 3 for 90c, per doz \$1.75, 25 for \$3.00, 100 for \$11.00; monster bulbs, about 11 to 12 inches, each 50c, 3 for \$1.35, per doz \$2.50, 25 for \$4.50, per 100 \$16.00.

### SPECIOSUM ALBUM, White

Splendid companion variety for Auratum and Rubrum. Pure White, with beautiful recurved petals, very fragrant. This, with Rubrum and Melpomene, belongs to the Speciosum section. First, size, about 8 to 9 inches in circumference, each 30c, 3 for 85c, per doz \$2.00, 25 for \$2.75, 100 for \$10.00. Mammoth bulbs, about 9 to 11 inches, each 40c, 3 for \$1.15, per doz \$3.00, 25 for \$5.00, 100 for \$18.00.

### SPECIOSUM RUBRUM, Crimson Banded

We consider this the most satisfactory of the Speciosum class. Once planted in a favorable location will last for years. Flowers are white, with a deep rosy crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardiness of the Speciosum class. First size, about 8 to 9 inches in circumference, each 20c, 3 for 50c, per doz \$1.25, 25 for \$2.00, 100 for \$6.00; mammoth bulbs, about 9 to 11 inches, each 35c, 3 for 90c, per doz \$1.75, 25 for \$3.00, 100 for \$11.00; monster bulbs, about 11 to 12 inches, each 50c, 3 for \$1.35, per doz \$2.50, 25 for \$4.50, 100 for \$16.00.

**PARDALINUM** (Leopard Lily). Rich scarlet and yellow flower, spotted with rich brown. Robust and free-flowering. A superb Lily; gives greatest possible satisfaction; succeeds in all situations. Each 12c, 3 for 30c, per doz \$1.20, postpaid; by express, 25 for \$2.25; per 100 \$8.00.

**SUPERBUM.** The finest of the native Lilies. Flowers bright orange-red, thickly spotted with purple. Remarkable for immense height (often 8 feet) and profusion of bloom; a strong plant bearing from 20 to 30 flowers. Each 10c, per doz \$1.00, postpaid; by express, 25 for \$2.00, per 100 \$7.00.

**TENUIFOLIUM** (Siberian Lily). A native of Siberia. One of the very hardiest Lilies; flowers vivid scarlet, with petals reflexed; very showy and free-flowering, blooming early in the spring. It is very easy of cultivation, requiring only a well-drained sandy soil. Each 15c, doz \$1.50.

**TIGRINUM** (Single Tiger Lily). Very hardy native Lily; orange-red, spotted with purple-black. Is very pretty and bears from 8 to 20 flowers. Each 10c, per doz \$1.00, postpaid; by express, 25 for \$1.75, per 100 \$6.00.

**TIGRINUM SPLENDENS** (Improved Single Tiger Lily). Very hardy native Lily; orange-red, spotted purple-black. Pretty and bears 8 to 20 flowers when well established. Each 12c, per doz \$1.20, postpaid; by express, 25 for \$2.00, per 100 \$7.00.

**TIGRINUM FLORE PLENO.** The well-known double Tiger Lily; grows from 4 to 6 feet high, and bears an immense number of bright orange flowers. Each 12c, per doz \$1.25, postpaid; by express, 25 for \$2.25, per 100 \$8.00.

**UMBELLATUM.** A splendid hardy Lily, and should be found in every garden; it makes a beautiful companion to L. Canadense, as it comes into bloom at the same time, and they make a rich combination of color if planted together. Colors range from deepest red through all shades of crimson, rose, yellow, buff, apricot, etc.; blooms about June 20. Each 15c, per doz \$1.50, postpaid; by express, 25 for \$2.50, per 100 \$10.00.

### LILY-OF-THE-VALLEY

No garden is complete without a bed of these fragrant flowers. Should be planted in a shady place, where if left to themselves they will spread and increase rapidly. For planting outdoors the clumps are generally used, the pips being for indoor forcing; they, however, will give good satisfaction planted outdoors, as each pip contains a flower, which is not always the case with the pips found in the clumps.

**LARGE IMPORTED CLUMPS.** Planted in a shady, moist situation, being one of the hardiest of flowers they require little or no protection. Each 35c, per doz \$3.50, 25 for \$6.25; by express or freight at buyer's expense. If wanted by mail, add 20c each for postage.

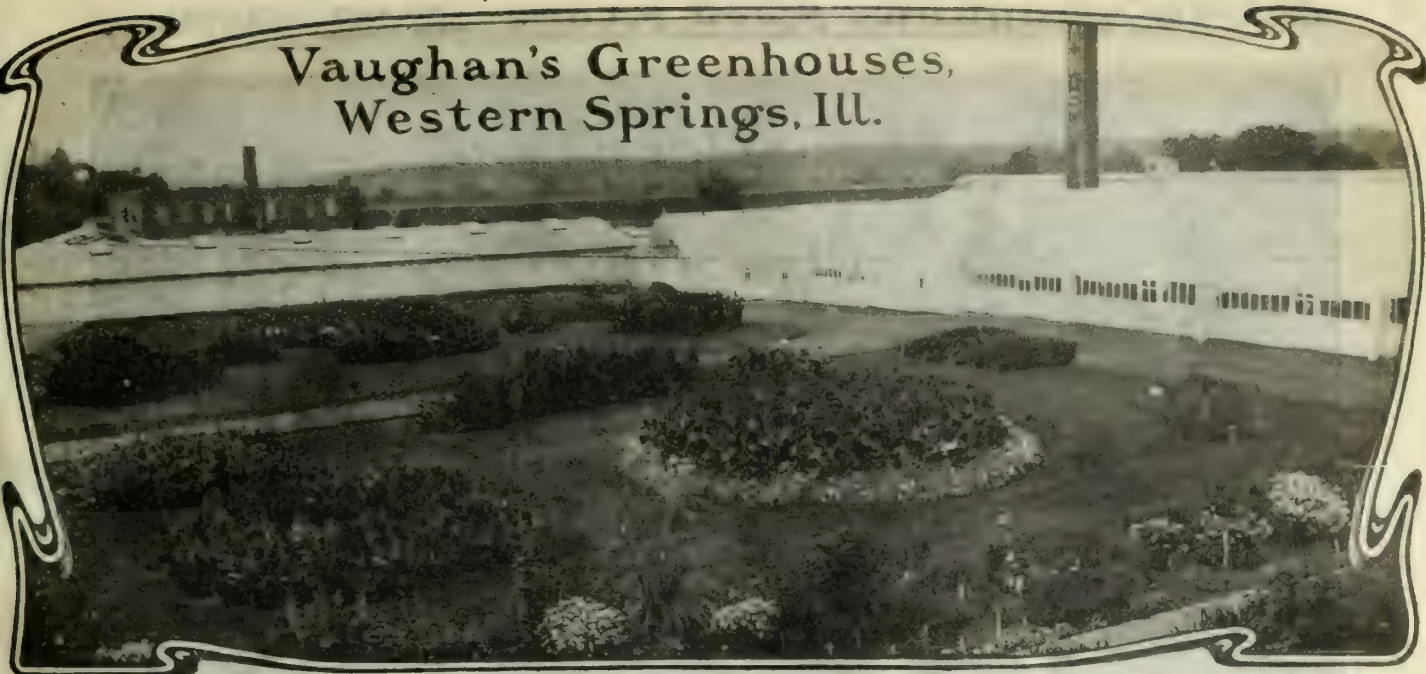
**COLD STORAGE PIPS FOR GREENHOUSE FORCING.** Finest imported quality. Prompt delivery, any quantity, but not less than 100 pips at a time. Price per 100 \$2.00, 250 for \$4.50, 500 for \$8.50, 1,000 for \$16.00, by express.

**LARGE FLOWERING GERMAN PIPS.** Six for 15c, 12 for 25c, postpaid; by express, 25 for 40c, 100 for \$1.50, 250 for \$3.50, 500 for \$6.50, 1,000 for \$12.00.

**LILIAM CANADENSE**



# Vaughan's Greenhouses, Western Springs, Ill.



## PLANT DEPARTMENT

### OUR FACILITIES

**Greenhouse Plants** of real merit for indoor and outdoor use are shown in the pages following. The list of varieties has been carefully revised and only those most valuable, easily grown, and satisfactory to the planter, are submitted for your selection. The new Ferns are still in the front rank. Our success in growing fine plants of these has been noteworthy. Vaughan's collection of Cannas, Dahlias, Phlox and Paeonias, contains all the newest good ones and the best old ones. We have added seven large greenhouses for supplying the plants offered here.

**Our Nursery** has made good progress. Our collection of Shrubs, Trees, Hardy Plants, has been much increased. These are supplied by us to thousands of suburban homes, and in a large way to many beautiful new country estates now being laid out and planted near all the largest cities. We are prepared to design and supervise all such horticultural improvements.

**IMPORTANT.**—We ship all orders for plants immediately upon receipt. We will reserve plants for future shipment, but instructions to that effect must accompany the order. This applies specially to plants ordered in winter.

### HOW WE SHIP PLANTS

**Plants by Mail.** Small plants will be sent free by mail when so desired. The greater part or all of the soil is removed from the roots, which are carefully packed in damp moss. We forward bulky plants, such as large Roses, Shrubs and similar stock by express.

**Plants by Express.** We express plants at purchaser's expense, but express is 20 per cent. less on plants than on general merchandise. We strongly urge this method of transportation, as it enables us not only to give better values in larger and finer plants, but we also always add liberal "extras" to help defray charges, and unless instructed to the contrary, all orders are forwarded by express.

**Plants by Rail.** Shrubs, Hedge Plants and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

**Safe Arrival Guaranteed.** We guarantee the safe arrival of all plants to any point in the U. S. or Canada when sent by express. If forwarded in any other manner they are entirely at the risk of the purchaser.

## BEDDING PLANTS

We grow large quantities of these popular subjects and are always in position to fill the largest orders.

Customers will please state, in giving their orders what date they require the goods sent, otherwise they are dispatched on receipt of order.

### ABUTILON (Flowering Maple)

**SAVITSI.** One of the most beautiful variegated foliage plants, the variegation being pure white, the white predominating. It is of dwarf, compact growth. Admirably adapted as a border for Cannas and Geraniums. Each 15c, doz \$1.50, postpaid.

### AGERATUM, Little Blue Star

6-8 in. The most beautiful of all Ageratums, of dwarf, bushy habit. It is extremely free blooming; the color is an intense blue, the most beautiful ever seen in Ageratums. Blooms from early spring until frost. Each 15c, 2 for 25c, doz \$1.25, postpaid, per 100 \$6.00, by express.

### ALTERNANTHERA

Green and red, valuable for carpet beds, edging borders and formal gardens. 2-inch pots doz 60c, postpaid, by express, doz 50c, 100 \$3.50.

### ALYSSUM

Sweet and Little Gem fine for graves and borders. white flowers. 2-inch pots each, doz 60c, postpaid, by express, doz 50c, 100 \$3.50.

### ANTIRRHINUM

Choice mixed varieties Snapdragons are fine bedding plants of special value as cut flowers, grown from Vaughan's select strain. 2-inch pots, doz 60c, postpaid, by express, doz 50c, 100 \$3.50.

### ASTER

**VAUGHAN'S GIANT BRANCHING** a valuable strain for cutting and borders, separate colors or mixed. Flat grown plants, doz 30c, 100 \$2.00, postpaid; by express, 100 \$1.75. 2-inch pot plants, doz 50c, 100 \$3.50, by express.

### BEGONIA

**FAIRY QUEEN.** Foliage rich, glossy green. Flowers on sprays 6 inches long, opening at first a deep pink, changing to clear rose in the full open flower. Comes into flower early and continues throughout the summer. 2½-inch pots.

Each 15c, 3 for 40c, doz \$1.50, postpaid, by express, doz \$1.25, 100 \$6.00.

**VERNON.** Grand for summer bedding. Will stand the sun like a geranium.

Each 15c, 5 for 50c, doz \$1.10, postpaid, by express, doz \$1.00; 100 \$5.00.

**TUBEROUS ROOTED.** Started in pots ready May 15. Superb Single mixed, 4-inch pots. Each 25c, doz \$2.50, by express only. Superb Double Mixed, 4-inch pots. Each 30c, doz \$3.00, by express.

### BELLIS PERENNIS (English Daisy)

Fine for graves and border. pink and white. Doz 60c, postpaid, by express, doz 50c, 100 \$3.50.

### CALADIUM ESCULENTUM (Elephant Ear)

Good as specimens, center of beds, or edging canna beds, leaves like an elephant's ear.

5-inch pots. Each 35c, doz \$3.00, 100 \$20.00, by express only.

6-inch pots. Each 50c, doz \$4.00, 100 \$30.00, by express only.

(For fancy leaved sorts see House Plants.)

### CANTERBURY BELLS

(See Hardy Perennials.)





## VAUGHAN'S CANNAS

**O**UR Cannas have painted in gorgeous colors—in scarlet, yellow and bronze—the yards of the finest homes, the station grounds and the parks all over the land. Their foliage is tropical and effective; the big flower spikes are always a mass of bloom from July 4th until frost. Vaughan's Cannas received the Grand Prize at St. Louis (only seven such prizes awarded in Horticulture at that Great Fair). We also received the highest awards at Chicago, Omaha and Buffalo. Our catalogue of Cannas on these pages are varieties of the highest standard from all sources in the world. We flower and true them up on our grounds at Western Springs.

### FOUR GRAND NEW CANNAS

**CARL LUZ.** A magnificent new sort; foliage large, vigorous and of a healthy green. Flowers very large, yellow. We might describe this as a green-leaved, yellow flowering King Humbert, because it has the same massive foliage and immense flowers as that "best of all cannas."

**GENERAL MERKEL** Foliage light green. Flowers brilliant red spotted dark yellow in the center and surrounded by a yellow margin. Very free blooming. This variety might be called an Orchid-flowered Souv. d'Antoine Crozy.

**INSPECTOR NESSLER.** Foliage light brown red. Flowers large, Nasturtium-red, with darker reflex and a narrow edge of canary yellow. Of dwarf growth and extremely free blooming.

**STUTTGARTIA.** Foliage broad, dark green; of majestic growth; flowers brilliant scarlet orange with an edge of canary yellow and a most unique marbling. Of gigantic size, borne on strong stalks well above the foliage and have four petals of even size. The back of the flower is marked yellow, which really enhances their effectiveness. The flowers are of the size of the King Humbert Canna and the plants are as free blooming as the Crozy Canna.

PRICE, Each, \$1.50. One each of above 4 varieties \$5.00.

### NOVELTY SET CANNAS

**DIRECTOR FREUDEMANN** Foliage brown red. Flowers scarlet with orange reflex. Flowers are composed of four large broad petals. Very effective novelty.

**IMPROVED MONT BLANC** This is a decided improvement on Mont Blanc; the foliage is broader, flowers larger; color is pure white. The plant is very robust and carries its flowers well above the foliage.

**JULIUS KOCH** Foliage dark green. Flowers composed of four broad, well rounded, large petals, and of the most brilliant blood-red. One of the best reds in our collection.

**NEW CHICAGO** The plants are of vigorous, healthy growth, stool out well; foliage rich green; spikes tall, carrying its flowers well above the foliage and in a fine large head. Color the most brilliant and striking scarlet without any bluish cast. A great improvement over that well-known Canna Chicago, introduced by us some years ago.

**FEITZER'S METEOR** Green foliage. Strong, robust grower. Large, heavy flower stalks, the individuals petals being over 2 inches in diameter and of great substance. Extra free-flowering qualities. Color a clear orange scarlet.

**PRINCE WIED** Foliage dark green. Flowers of extra large size, borne in massive clusters and of a fiery velvety blood-red. One of the best red Cannas of dwarf growth, attaining a height of about 3 feet.

PRICE, Each, 75c. One each of the "Novelty" Set \$4.00.

The immense growth of our Canna Business during the last few years has been so great that we have put up a winter storage house with a capacity for 150,000 Clumps, thus enabling us to keep the roots in best condition and we hope during 1910 to send out better plants than ever before. Cannas should be planted in good, rich garden soil, mixed with half of old rotten stable manure. Water sparingly for first two weeks after planting. When growing freely, water liberally. Set the plants 18 inches apart each way, and if more than one kind is used, be careful to plant the taller growing kinds in the center and the dwarf ones along the edge. This applies to planting in beds.

### SUPERB SET CANNAS

**FEUERMEER** 5 ft. Deep green foliage. Very free and robust grower, throwing up many strong flower spikes. Early. Blooms large and of a clear crimson scarlet without markings.

**Mlle. CHARLOTTE MONGEOT** 3½ ft. Very large, well shaped flowers of beautiful cherry carmine. Foliage dark green.

**MULTIFLORA** 4 ft. A Vaughan seedling of special merit. Deep velvety green foliage. Very free and robust grower. Extra free bloomer, carrying three and four perfect flower spikes at one time. Color very bright vermillion with a narrow golden yellow border, resembling Mad. Crozy.

**SCHWABENLAND** 3½ ft. Dark bronze foliage. Extra large flowers of a beautiful rich crimson.

**WILLIAM SAUNDERS** 3½ ft. Foliage rich bronze. The flowers are large, of splendid form and are borne very freely in immense clusters. The color is a deep rich shining scarlet, lightly dappled with crimson.

PRICE, Each, 50c, per dozen \$5.00. One each of the "Superb" Set \$2.00.

### GRAND ORCHID FLOWERING CANNAS

**ALLEMANIA.** 4 to 5 ft. Green foliage. The outer petals are scarlet, with broad yellow border. Inside of bloom scarlet and dark red.

Each 15c, doz \$1.25, per 100 \$8.00.

**BURBANK** 5 ft. Green foliage. Purchased and introduced by us from the originator, Mr. Luther Burbank, of California. The flowers are truly gigantic in size. Toward the inner part the petals show fine crimson spots; all the rest of the flower is of a most beautiful, rich canary-yellow. Each 15c, doz \$1.25, per 100 \$8.00.

**FREDERIC BENARY** 5½ to 6 ft. Green foliage. An early bloomer. Its flowers are currant red with orange throat and yellow edge.

Each 20c, doz \$2.00, per 100 \$15.00.

**LONG BRANCH** 5 ft. An American Seedling, cross between Queen Charlotte and Italia. Tough, leathery, green foliage. The flowers resemble a giant flowering Queen Charlotte in the Orchid-flowering class, being bright crimson with wide, irregular border of yellow, and stands the sun equally as well as King Humbert. Each 50c, doz \$5.00.

**LOUISIANA** 6 ft. Very large beautiful vivid scarlet Orchid-like flowers, often measuring five to six inches across. Foliage a glossy green.

Each 20c, doz \$2.00, per 100 \$15.00.

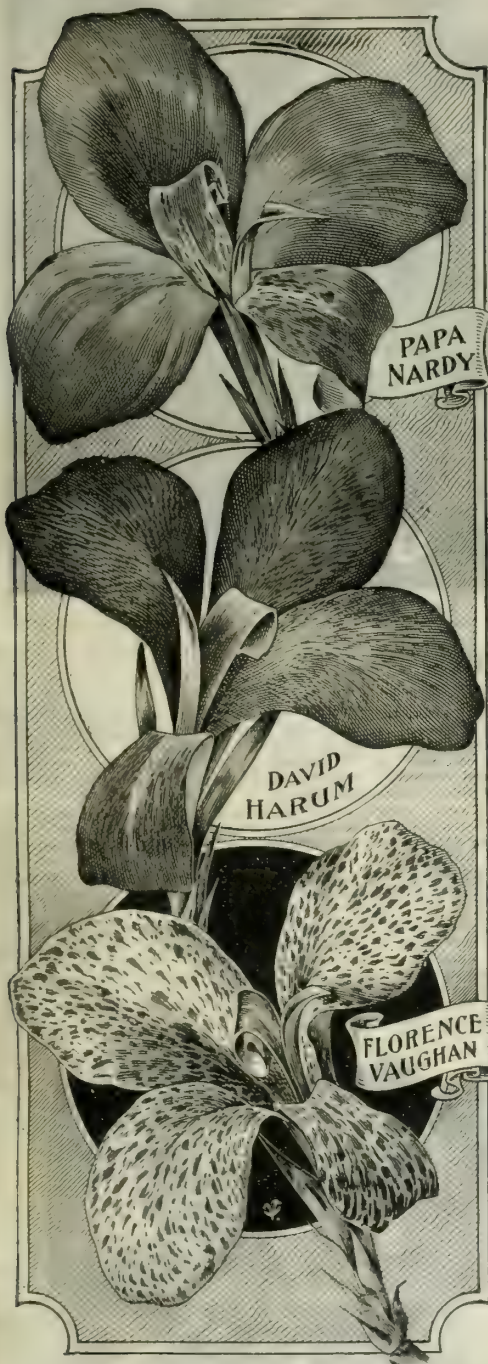
**MONTREAL** 4 ft. A new French Canna which is almost an exact counterpart of that grandest of all Cannas, King Humbert, having the same rich red vigorous leaves of mammoth dimensions, the same large flower head and gigantic blooms, but the color is distinct, being a rich vermillion scarlet. Each 75c.

**NEW YORK** 5 ft. Dark bronze foliage, with the Orchid type of flowers. Will stand the hot sunshine as well as the toughest varieties of Cannas. The color is a solid rich scarlet covered with a beautiful glowing sheen. Each 35c, doz \$3.50.

One each of above 7 Orchid-Flowered Cannas, \$2.00.



# VAUGHAN'S BEST BEDDING CANNAS



The choicest from sixty best kinds, revised to December, 1909. These are all of the large and free flowering Crozy type, and embrace the entire range of color known to this remarkable class of plants.

## CRIMSON AND SCARLET SHADES WITH GREEN FOLIAGE

**BEAUTE POITEVINE.** 3½ ft. Large crimson flowers of a beautiful shade, much admired.  
**CHAS. HENDERSON.** 4 ft. Crimson flowers. Good bedder. Roots winter well.  
**COMTE DE SACHS.** 4 ft. One of the very best. Early and free. Color clear crimson scarlet. Flower heads large. 1st size 20c each, dozen \$2.00, prepaid. 2nd size, by express, each 30c, dozen \$3.00, per 100 \$20.00.  
**MILWAUKEE.** 3½-4 ft. Flower rich, deep maroon, darker than the Duke of Marlborough. We find it the darkest of all Cannas.  
**PAPA NARDY.** 4½ ft. Very free flowering. Large rounding flowers of a beautiful purplish crimson. Prices and sizes same as Comte de Sachs.  
**THE EXPRESS.** 2½ ft. Bright scarlet crimson. Large broad flowers in immense trusses. This is the best dwarf red Canna. Prices and sizes same as Comte de Sachs.

## BRONZE-LEAVED VARIETIES

**BLACK BEAUTY.** Undoubtedly has the darkest and most magnificent foliage of all purple-leaved Cannas ever introduced. The leaves are black shining purple, very rich and glossy, makes a magnificent plant, four to five feet high. Flowers are glowing crimson, but rather small. A fine plant for center of beds, vases, etc. Prices and sizes same as Comte de Sachs.  
**DISCOLOR.** 6-8 ft. Used for foliage effect, musa-like foliage.  
**DAVID HARUM.** 3½ ft. Dark bronze foliage. Strong grower and one of the freest blooming Cannas we have ever seen.  
**EGANDALE.** 4 ft. Bronze foliage. Considered by experts the best in this class. Strong compact flower spikes. Color currant red.  
**GRAF WALDERSEE.** 4 ft. Large flowers of orange scarlet. Fine show.  
**J. C. VAUGHAN.** Purple foliage. Flower large. Color, clear, deep vermilion-orange.  
**KING HUMBERT.** (See colored plate.)  
**LEONARD VAUGHAN.** 4¼ ft. Rich deep bronze foliage. Very strong grower. Flowers freely. Color bright scarlet.  
**Mlle. PAUL CAZENEUVE.** 4 ft. Large flowers of rosy pink, very striking with the dark bronze foliage.  
**SOUV. DE BOUCHARLET.** 3½ ft. Large purple foliage and extremely large flowers of a beautiful purplish crimson, set off with deeper shade of the same color.  
**SOUV. DE J. H. KRELAGE.** 4 ft. Foliage metallic brown, extra large and broad. The flowers are gigantic in size, zinnabar red. Borne in faultless trusses.

## PINK WITH GREEN FOLIAGE

**BETSY ROSS.** 3½ ft. Compact bushy habit. The flowers are large and of a beautiful soft pink. We consider this the only pink variety worth growing.

## GILT EDGE VARIETIES

All with Green Foliage and Scarlet Flowers with Yellow Edges.  
**MAD. CROZY.** 3½ ft. Vermillion with gold border. The sort which popularized the Canna.  
**NIAGARA.** 3 ft. Color, rich deep crimson with a wide irregular border of deep golden yellow.  
**QUEEN CHARLOTTE.** 4 ft. Rich orange-scarlet with a broad gilt edge.  
**SOUV. DE A. CROZY.** 4 ft. The flowers are scarlet-crimson bordered yellow.

## YELLOW SHADES GREEN FOLIAGE

**BUTTERCUP.** 3½ ft. A true bright buttercup yellow, large. Each 20c, doz \$2.00, prepaid.  
**DWARF FLORENCE VAUGHAN.** Similar to Florence Vaughan, but one-third shorter, never exceeding 3½ ft. Color, rich golden yellow, thickly dotted with bright red.  
**FLORENCE VAUGHAN.** 5 ft. The most famous of all Cannas. It still remains the best type of new Cannas. The flowers are rich golden yellow, thickly dotted with bright golden red.  
**RICHARD WALLACE.** 3½ ft. Clear yellow fading to a light yellow. Very free and early bloomer.

## WHITE SHADES GREEN FOLIAGE

**FRAU MARIA NAGEL.** 3 ft. Loosely formed flowers of a creamy white fading to pure white.  
**Mlle. CLIN.** 3 ft. A free bloomer, pure white large flowers. Each 20c, doz \$2.00, prepaid.  
**MONT BLANC.** 2½ ft. Medium size, pure white flowers, compact flower heads. Each 20c, doz \$2.00, prepaid.

## PRICES: The above Cannas except noted

Sizes	Each	3 for	Per Doz.	Per 100
1st size plants from 2½ inch pots, postpaid.....	\$0.15	\$0.35	\$1.25	\$10.00
2nd size plants from 3 inch pots, by express.....	.15	.40	1.50	12.00
3rd size strong plants from 4 inch pots, by express; this size will be ready May 15, will commence to bloom in a short while.....	.25	.65	2.50	18.00

## VAUGHAN'S CANNA BED COLLECTIONS

Note that we offer the plants in two sizes.  
 First Size, from 2½-in. pots. Larger Size, from 4-in. pots, ready to bloom.

### CANNA BED No. 1.

Round, 7 ft. across. 1 Florence Vaughan (for center); 6 Egandale, bronze (middle row) (middle row); 18 Salvia Alfred Ragueneau (outside row). One of the prettiest possible beds.  
 The 19 plants, first size..... \$1.75  
 The 19 plants, large size, ready to bloom..... 3.00

### CANNA BED No. 2.

Round, 7 ft. across. 1 David Harum, bronze (for center); 6 Dwarf Florence Vaughan (middle row); 18 Salvia Alfred Ragueneau (outside row). One of the prettiest possible beds.  
 The 7 Cannas and 18 Salvias, first size..... \$2.25  
 The 25 plants, large size..... 3.75

### CANNA BED No. 3.

Round, 10 ft. across. 16 King Humbert (for center two rows); 36 Pennisetum Longistylum (outside row), 2 in. pots. This bed complete (the Cannas in 2nd size plants), from \$ n. pots \$5.00 by express.

### CANNA BED No. 4.

Round, 10 ft. across. 7 Egandale, bronze (for center); 12 Niagara (middle row); 18 Express (outside row): This combination gives a grand effect.  
 The 37 plants, first size..... \$3.35  
 The 37 plants, large size, 4-in. pots, ready to bloom..... 6.00

We recommend the following as most desirable for beds of solid colors:

**DAVID HARUM.** Bronze leaved, 4 ft.  
**EGANDALE.** Bronze leaved, 3½ to 4 ft.  
**FLORENCE VAUGHAN.** Green leaved, 4¼ ft.  
**PAPA NARDY.** Green leaved, 5 ft.  
**BETSY ROSS.** Green leaved, 3 ft.  
**KING HUMBERT.** Bronze leaved 5 ft.  
**EXPRESS.** Green leaved, 3 ft.  
**MAD. CROZY.** Green leaved, 3½ ft.  
**MILWAUKEE.** Green leaved, 4 ft.  
**SOUV. A. CROZY.** Green leaved, 3¼ ft.  
**BEAUTE POITEVINE.** Green leaved, 4 ft.  
**BLACK BEAUTY.** Bronze leaved, 5 ft.

For Round Canna Beds	
Diam.	Re- quired
Ft.	Plants
7	19
10	37
13	61



# CARNATIONS

The new Carnations are the most popular, beautiful and desirable cut flowers for personal wear and for decorations. The mammoth new ones are giants in size, some 3½ inches across. Beautiful in coloring, perfect in form and shape of flower. Strong stems, free-blooming and fragrant; useful for every occasion. The best carnations rival the best new roses in popularity.

## SIX NEW CARNATION INTRODUCTIONS

**ADMIRATION.** Flowers are a beautiful shade of pure light pink, much darker than Enchantress, which have a wonderful satin finish that shows up well. Flower 3 to 3½ inches, excellent form, habit is good every shoot going into flower. Its freedom and earliness make it one of the best Carnations yet introduced on account of its easy cultivation.

**CONQUEST.** Color light pink, overlaid almost to the edge with deep rose pink, size of flower 3 to 4 inches, stems stiff and long. Blooms early and free and does not split. Habit is strong and clean, growth quick and resembling Mrs. Lawson.

**SANGAMO.** Color brilliant glittering pink, flower is very symmetrical, calyx is very strong and never bursts. Stem extra long, strong and stiff, holding the flower erect. Exceedingly prolific producing a fine bloom in remarkably short time. Habit is healthy, robust and not subject to stemrot or other disease.

**SCARLET GLOW.** A color that never becomes dull, an exceptional bright scarlet. A perfect, well rounded bloom. Growth much on the order of Beacon, makes large, well shaped plants with a long narrow leaf, stems long, straight and stiff.

**SHASTA.** Glistening white in color, never showing any trace of pink or other color. Bloom well formed. Calyx good and never splits, growth strong and upright, makes no surplus foliage, although it breaks freely when topped.

**MARY TOLMAN.** Color, deep flesh pink, deeper than Enchantress, the form is good, stem inclined to be very rigid, keeping qualities are the best. Very free and early. A strong grower. Free from disease. The calyx is good and seldom breaks.

Any of above, each 30c, any 3 for 75c, any 6 for \$1.50, doz \$3.00.



CARNATION "Shasta"

## LIST OF CHOICE CARNATIONS

**AFTERGLOW.** Color is a bright cerise, very close to Lawson in tint. A grand, easy grower. Has been on trial for five years and no weak spots found. Winner of the S. A. F. medal.

**ALVINA.** This carnation is a remarkable strong grower and free bloomer of the Lawson type and is specially adapted for pot culture. Color, dark glowing pink, good stiff stem and can be had with 20 or more flowers at one time. A fine carnation for pot culture.

**BEACON.** Blooms early and continues throughout the winter months. Size about 3 inches in diameter. Color, scarlet with a tint of orange. Long stiff stems.

**ENCHANTRESS.** Delicate blush pink, deepening towards the center. Size 3½ inches across.

**MRS. J. C. VAUGHAN.** A grand novelty in white, flowers of largest size, 3½ inches across. Growth vigorous and branching freely. Stems long, stiff and wiry. A bold well formed flower with good substance. Keeping qualities excellent. Flowers do not burst.

**MRS. PATTEN.** A splendid variegated sort, having stiff stems and a good big flower.

**MRS. THOS. W. LAWSON.** 3½ inches in diameter. A beautiful deep pink flower.

**O. P. BASSETT.** Color, pure bright red; flower 3½ inches across. Free bloomer, coming into flower in October and by Christmas is in full crop and flowers continually until the end of the season. Calyx never bursts. Stems long and stiff, by Christmas 18-24 inches long. Entirely free from disease and as easy to grow as Lawson. The O. P. Bassett has been a prize winner wherever shown.

**PINK DELIGHT.** An even, clear, waxy shell pink, with just a trace of salmon, which brightens and holds the color under all conditions. Full 3-inch flower; excellent form. Long, straight, stiff stem; strong, perfect calyx, which never bursts.

**ROSE PINK ENCHANTRESS.** A pure clear pink flower, without markings, having the extra large size and the other good qualities of Enchantress.

**WINSOR.** A clear silvery pink, a shade between Enchantress and Mrs. Thos. W. Lawson. The stem is just right. The flowers are larger and very fragrant.

**WHITE ENCHANTRESS.** This is pure glistening white, a sport from Enchantress, and as large and fine as that variety. Each 15c, any 3 for 45c, doz \$1.25, postpaid. By express, per 100 \$8.00, 25 of any one variety at 100 rate.

## CASTOR OIL PLANTS *Ricinus*

Fine for background or center of large beds, or as screens to unsightly places. Green and Bronze leaved sorts in variety. Ready May 1st. Each 10c, doz \$1.00, per 100 \$6.00, by express.

## CENTAUREA GYMNOCARPA *Dusty Miller*

A fine silvery foliage plant for skirting beds of Cannas, Salvia, etc. Each 10c, doz 60c, postpaid. By express, doz 50c, per 100 \$3.50.

## COBAEA SCANDENS *Cathedral Bells*

A beautiful climber of rapid growth, flowers bell shaped, purple lilac in color and prolific bloomers. Large plants.

Price, 2-in. pot plants, each 15c, 3 for 40c, doz \$1.50, by express; 4-in. pot plants, each 30c, 3 for 80c, doz \$3.00, by express.

## COLEUS

**ANNA PFISTER.** Pointed leaves 6-8 inches long with deep scalloped edges, giving it a Croton-like appearance. Color of the foliage is a bright golden yellow intermingled with green and crimson. Habit of growth is compact and bushy. Each 15c, 3 for 35c, doz \$1.15, postpaid. By express, doz \$1.00, per 100 \$6.00.

**JOHN PFISTER.** Same character of foliage as the Anna Pfister; also the same habit and growth, the difference being in the coloring of the foliage, which is a bright crimson, edged and topped with old gold. Very striking. Prices same as above.

**STANDARD BEDDING VARIETIES** from 2-inch pots. Each 10c, doz 60c, postpaid, by express, doz 50c, per 100 \$4.00.

## COSMOS

Price same as Standard Coleus.

**GIANT FLOWERING LATE MIXED.** Grand autumn blooming plants

**EARLY BLOOMING MIXED.** This early flowering Strain blooms from July to November. 2-inch pots

**LADY LENOX.** Gigantic flowering Cosmos; flowers of immense size, a beautiful rich, deep pink. Each 10c, doz 60c, postpaid; by express, doz 50c, per 100 \$4.00.

**CROTONS.** See House Plants.



Cobaea Vine or Cathedral Bells

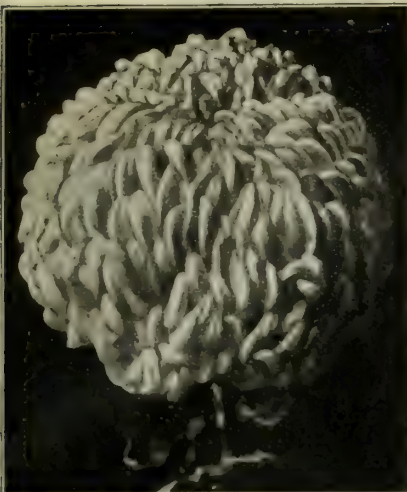
## VAUGHAN'S GARDEN FERTILIZER

Is easily applied, non-smelling, does the work of twenty times its weight of barnyard manure, and is better, quicker and cheaper, and lasts longer. Before planting Cannas and other flowering plants, give a dressing of, say, fifty pounds of fertilizer broadcast on every thousand square feet.

Price—5 lbs 30c, 10 lbs 50c, 25 lbs \$1.00, 50 lbs \$1.75, 100 lbs \$3.00, 200 lbs \$5.50, 500 lbs \$12.00, 1,000 lbs \$22.00, 2,000 lbs \$42.00.

Price includes delivery within 20 miles of Chicago.  
New York Prices—Add 50c per 100 lbs., and \$7.00 per ton to above prices.





PRESIDENT TAFT



TYPE OF SINGLE CHRYSANTHEMUMS



MRS. W. F. KELLEY

## CHRYSANTHEMUMS

### VAUGHAN'S NOVELTY SET FOR 1910

Price 20c, set of 7 for \$1.25, postpaid, with Culture Pamphlet.

**CLARA WELLS.** A true incurved and largest in its type. Color cream yellow. Each petal falls naturally into place. A good keeper and shipper and will be heard from as a commercial flower. Can be planted closely and every bud produces a perfect flower.

**GLORIA.** Seedling of October Frost, producing flowers from any bud. Those selected from August 25th finish October 15th, producing large blooms of a beautiful light pink same as seen in the Enchantress Carnation. Stem and foliage unsurpassed. First-class Certificate C. S. A.

**GOLDEN GLOW.** A very early Japanese incurved, producing fine blooms, 5 1/4 inches in diameter. Color bright yellow. Fine foliage and stem. Very easy grower.

**JOHN LEMON.** The flowers are very large and full with beautiful velvety red florets, which are bright gold on the reverse. Very easy grower.

**MRS. W. E. KELLEY.** A bright yellow Japanese with fine stem and foliage. 5 ft. Best bud Sept. 15th, maturing Nov. 10th. Easy to manage and producing perfect blooms from late buds. First-class Certificate C. S. A. and first prize for 6 blooms, dark yellow, in both Commercial and Exhibition classes at National Flower Show.

**PRESIDENT TAFT.** Very favorable comments have stamped this new comer. Japanese incurved petals of the purest white, forming a huge glistening ball. Stem and foliage ample. 4 1/4 ft. best bud Aug. 20th, maturing Oct. 25th. A first-class white, which, coming with Col. D. Appleton, will be a welcome adjunct to the midseason section. We consider it far superior to any late October variety. First-class Certificate C. S. A., Penn. Hort. Soc. It was the best novelty at National Flower Show.

**W. T. BROCK.** A splendid late commercial Pink for Thanksgiving and later. Foliage up to the flower and stem A No. 1. Comes best from September buds. Won first for six light Pink in seedling class at Chicago and Certificate by C. S. A. at Chicago and New York.

### EXHIBITION SET

Price 15c, any 3 for 40c. The "Exhibition Set" of 6 for 75c, postpaid.

**GOLDEN CHADWICK.** A large perfectly built incurved flower of a deep lemon color. The best all-around chrysanthemum.

**GOLDEN DOME.** Very large flowers. Strong stiff stems which hold the flowers erect. Fine foliage, well up to the flower. Color clear bright yellow with incurving petals. One of the finest.

**MISS CLAY FRICK.** A very large Japanese incurved of pure snow white. Flowers are 8 inches in diameter.

**ROSEMAWR.** A mammoth rosy lilac Japanese with lighter silvery reverse. Broad, irregularly incurving petals of wonderful substance. The stem and foliage leave nothing to be desired.

**S. T. WRIGHT.** This is certainly one of the largest chrysanthemums ever grown. It is red and gold of gorgeous shades, until it shows pure red. Strong upright grower.

**WHITE CLOUD.** An immense deep spreading Japanese, 8 inches. White on the edge and deep cream in the center, until fully matured when it is almost pure white. It is at its best October 20th to November 1st. The growth is ideal. Exceedingly heavy stem and large foliage up to the flower.

### Large-Flowering Single Chrysanthemums

Price 20c, doz \$2.00, prepaid.

**AUGUSTA.** Large flowers. Color Indian Red, shaded with bronze

**CANARY.** Very large lemon yellow.

**COSMOS.** Beautiful lavender pink. Large flowers. Very fine.

**DWARF CHIEF.** Rich dark crimson with yellow center.

**LADY ROSE.** Light pink changing to white. Very large flowers

**PORTIA.** Light flesh color. Very large flowers, 3 inches.

**RED CHIEF.** Bright crimson, very large flowers, with yellow center.

### Small Flowering Single Chrysanthemums

Price 15c, doz \$1.50, prepaid.

**BUTTERCUP.** Deep yellow flowers in great number. Fine for pot plants.

**EDELWEISS.** Flowers semi-double. Pure white with yellow center. Very free bloomer.

**EMILE.** Bright pink, very fine for pots.

**GUIDING STAR.** Pure white with narrow twisted petals. Very fine.

**LADYSMITH.** One of the prettiest of all the singles, deep rose pink with green eye; keeps well, blooms early, fine for sprays or as a pot plant.

**MERSTHAM WHITE.** Snow white with yellow cushion, magnificent.

**RED MISPHA.** Dark red flowers with yellow center. Makes fine pot plant.

**SWEETNESS.** Clear yellow. In this we have a sweet scented Chrysanthemum. The fragrance is very distinct and sweet.

### Single Chrysanthemums

These are becoming very popular grown as pot plants or cut flowers. They are most valuable for light graceful work. Do not disbud closely.

These that we offer are our own seedlings and were much admired at the Chicago Flower Show.

### SUMMER FLOWERING SET

We have all wanted an early flowering Chrysanthemum, and now in the following we offer a new race that will furnish an abundance of flowers from August until frost. Be sure to secure this collection.

Price 15c, 3 for 40c, doz \$1.25, prepaid.

**G. GRUNERWALD.** A very fine variety of the Japanese section, being one of the earliest of all, expanding the first flowers in the beginning of August and extending its flowering period well into November. The flowers average 5 inches, color light pink.

**PARISIANA WHITE.** A fine Japanese, flowering in the open air from the beginning of August to mid-October. Flowers pure white, full, 5 inches.

**GOACHER.** Crimson and gold, of fine size, blooming in August and September.

**CARRIE.** 4-in. flowers of a deep golden yellow, blooming freely from August to October.

**SPECIAL OFFER No. 414.** Summer Flowering Set, 4 for 50c, prepaid.

### CHRYSANTHEMUM SET For Pot Culture

The following list is a selection from over 100 sorts, and embraces the best sorts for pot culture. All early flowering sorts and large handsome flowers.

Each 15c, 3 for 40c, doz \$1.25, postpaid.

**A. J. BALFOUR.** A grand Japanese. Color clear rose pink.

**CLEMENTINE TOUSET.** The best of early whites. Large handsome flowers.

**DIRECTEUR GERARD.** Grand large blooms of a deep golden yellow. Japanese incurved. Early.

**GARZA.** This variety makes a fine bush plant. The flowers are white, single row of broad petals, anemoned center.

**GEO. W. CHILDS.** The most beautiful dark crimson sort; looks like crimson velvet.

**GOLDEN AGE.** A slightly reflexed intense yellow; Japanese type.

**MAY FOSTER.** One of the most popular white varieties. Fine large, pure ivory flowers

**MRS. WM. DUCKHAM.** Beautiful golden yellow of immense size.

**PACIFIC SUPREME.** A seedling from Glory of Pacific, which it greatly resembles in foliage, but is somewhat longer jointed. The color is a beautiful shade of pink without any shadings. It is a good variety for pot plants.

**WINTER CHEER.** Closely incurved Japanese variety. Color a deep cerise pink. Extra fine.

**SPECIAL OFFER No. 412.** For Pot Culture, set of 10 for \$1.00, postpaid.





CACTUS DAHLIA

# VAUGHAN'S DAHLIAS

## HINTS ON THE CULTURE

Plant in full exposure to the sun in soil thoroughly and deeply worked and well enriched, six to eight inches deep, in rows four feet apart and from two to three feet apart in the rows, but always the latter distance if finest specimens of bloom are desired.

Cultivate often and deeply at first, but stir the soil to the depth of one or two inches only when plants commence to bloom. Stir it often, however, and never allow the surface to become hard.

During a very dry period it may be beneficial to give the plants water; but we believe that it is more often the case that artificial watering of this and other plants is harmful rather than helpful, in that it is generally so insufficiently done. Water thoroughly or not at all. Constant stirring of the surface soil will go a long way toward supplying the necessary moisture, in that it will prevent the escape of what is already there.

As soon as the shoots appear remove all but the strongest one and pinch off that, which will cause it to branch at the surface of the ground. This not only concentrates the strength of the root in this shoot but removes all of those first imperfect flowers common to some varieties, and also makes a strong bushy growth, thereby obviating to some extent the necessity of staking.

### PLEASE NOTE

Varieties prefixed "P" can only be supplied in green plants out of 2-inch pots. These are ready about May 1st. It is generally not safe to plant these out before May 10th.

Other varieties, not prefixed "P" we can supply either in green plants or dry divided or pot grown roots, while the stock lasts.

## NEW AND RARE DAHLIAS

### CACTUS TYPES

**AMBASSADOR. (P.)** The flowers are large, pure white and of beautiful form, long pointed petals. They are borne on extraordinarily long stiff stalks, the best white Cactus Dahlia in this respect.

**ALEXANDER IMMER. (P.)** The darkest colored Cactus Dahlia of the present time. The flowers are almost black, showing very little of the dark plum color. Center petals are flat, outer half curled and incurved. Very odd on account of its color.

**AURORA. (P.)** One of the best Dahlias for exhibition, colossal in size, elegant in form, most perfect in type and of the most exquisite coloring; attractive soft pink, slightly tipped white, the heart of the flower brilliant golden.

**ASCHENBRODEL. (P.)** An exquisite flower, with curiously twisted petals; color a combination of rose and gold; the base of the petals gold, gradually shading to rose-pink; fine cut-flowers.

**DAINTY. (P.)** The ground color is lemon-yellow, which shades lighter as the season advances, at which time the color approaches canary-yellow at the base of the petals. Half-way from the base of the petals one notices the beautiful rose-pink. The tips of the petals are golden and the flowers are produced on long, stout stems.

**EFFECTIVE. (P.)** Chamois-rose with yellow shadings, deeper in the center, a large, perfectly formed, intensely double, globular flower with finely pointed petals, very distinct, flowers freely on long, strong stems; a charming variety for cutting.

**FRUTE. (P.)** The "Peach Dahlia." Long curled petals and full to center. Color delightful, outer petals soft pink, changing into cream towards the center, resembling a ripe peach. One of the prettiest Dahlias.

**INGEBORG EGELAND. (P.)** One of the grandest introductions in Cactus Dahlias. A very robust flower, exceedingly free flowering. Flowers very large and of a rich, deep scarlet.

**LIBERTY. (P.)** Lovely rosy carmine, with deep shadings of maroon.

**LOVELY ENSFORD. (P.)** Clear shade of amber.

**MASTER CARL.** A gigantic Dahlia of perfect form and bright amber color. This is one of the finest Dahlias in our collection. Immense petals of graceful curve.

**OTHELLO. (P.)** Very floriferous and early blooming; the large, full flowers are dark blood-red with velvety black sheen; flower stalks are long and strong and carry the flowers well above the foliage. Each 50c, doz \$5.00.

**"PEARLHILDE." (P.)** One of the most extensive growers of Dahlias for cut-flowers for the Philadelphia markets and with whom this variety originated as a sport from Kriemhilde, includes this as one of his best six cut-flower varieties. It is identical with its parent except in color, which is a soft blush, so near a white as to pass for such.

**STERN.** A beautiful flat-petalled, star-shaped flower of pure lemon-yellow; a good grower, and exceptionally free-flowering.

**THE PILOT.** A beautiful combination of colors. The extremities of the florets are bright terra-cotta, passing to deep yellow at the base. The blooms are borne erectly upon stout foot-stalks, well above the foliage.

**WHITE LADY. (P.)** Pure white; the plants were laden with handsome flowers all through a long season and were much admired. Each 50c, doz \$5.00.

**SPECIAL OFFER 496 A.** One green plant each of the above 16 new Cactus Dahlias, ready May 1st, for \$3.50.

**SPECIAL OFFER 496 B.** One green plant each of the above 12 new Decorative Dahlias, ready May 1st, for \$3.00.

PRICE, except noted, each 25c, doz \$2.50, postpaid.

### DECORATIVE TYPES

**GETTYSBURG. (P.)** An extremely large flower; full, round, high center. Bright, rich scarlet. An early and extremely profuse bloomer.

**GIANT OF STUTTGART. (P.)** This new Decorative Dahlia originated from Souv. de Gustave Doazon and is the largest Dahlia in existence of its color today. The flowers are very double, with 8 inches diameter, velvety dark red in center lighting up to a brilliant blood red to end of petals. The flowers are borne well above the beautiful dark green lacinated foliage. Very free-blooming. Each \$1.00.

**"JACK ROSE." (New.)** A grand variety, splendid for cutting; flowers are full in the center, measuring six to seven inches across; color is that of the Jacqueminot rose, from which it derives its name; that rich, velvety crimson, which cannot be found elsewhere; a most useful variety. Each 35c, doz \$3.50.

**KAISERIN AUGUSTA VICTORIA. (P.)** One of the most valuable Dahlias. It grows about 30 inches high and does not require support of any kind. The immense, perfect, pure white flowers are borne in great profusion on erect, stout stems, fully 18 inches long, all above foliage. For landscape work or general garden use this variety is especially valuable. Planted into the shrub border they make an effect which cannot be duplicated with any other flower. They can be kept in flower until Thanksgiving. Each 35c.

**LA FRANCE. (P.)** The form of the flower is more like a full-blown peony. The flowers appear on stiff, long stems and make excellent material for vases, etc.; the color, a deep rose, heavily marked white, is very effective. A splendid novelty. Each 35c.

**MRS. CHAS. TURNER. (P.)** Color pure yellow; a strong grower and profuse bloomer of immense size.

**MRS. KENTWELL.** Many of the flowers measure 7 inches across. Heavy, wide, thick petals. The flower stalks are strong and heavy. The color is a deep velvety crimson. Outer half of petals shading to a deep wine color. Height, 4 feet.

**REBECCA MAYHEW. (P.)** The world's best large white for commercial cut flowers, or specimen plants. Large, snow-white, exquisite form, an early and extremely profuse bloomer. Each 35c, 3 for \$1.00.

**SOUV. DE GUSTAVE DOAZON.** The flower measures 6 inches in diameter. Large, wide, thick petals of great substance. Color a pleasing shade of orange red. Very free bloomer. Strong and robust, growing 5 feet high.

**WM. KINGSTREE. (P.)** Very large flat flowers. Does not show center. Large, wide, flat petals. Color bright cinnabar-red. Strong, heavy grower. Very free and early.

**VIRGINIA MAULE.** Is not only a great improvement over Mrs. Roosevelt, but is THE WORLD'S BEST SHELL PINK; immense size; a most delicate blush or shell pink, and the beautiful center of Nymphaea. The plant is very strong and vigorous, growing 4 to 5 feet high, branching habit, blooming early and profusely. Flowers are borne with stately grace on long, erect stems. Each 35c.

**YELLOW COLOSSE.** Although it bears the name of Colosse, it has very little similarity to this flower, but it is the best exhibition yellow now in existence. The flowers come very perfect on good long stems. Each 35c.

### SINGLE TYPES

**MERRY WIDOW. (Lustige Witte.) (P.)** The plant attains a height of only 3 feet and from the bushy plant arise from 30 to 50 gigantic, deep scarlet flowers on stems 15 inches long and measuring invariably 4 to 5 inches. The color is exceedingly bright and a single plant makes an effective showing. Each 50c.

**PRAXITELES. (P.)** Velvety purple with white tips. Single. Each 35c.



# CACTUS DAHLIAS



DECORATIVE DAHLIA

The Cactus forms of Dahlias are exceedingly beautiful, and as flowers for vases, etc., are hard to excel. They have long twisted petals and embrace nearly all the colors and shades to be found in any of the other types. The varieties listed below we have selected as being worthy representatives of their class and we offer them as follows:

- ALT HEIDELBERG.** Large flower; brilliant orange scarlet, slightly incurved.  
**ALBION.** Very large pure white flowers, slightly shaded cream in the center.  
**BRUNHILDE.** Bright plum color, of perfect habit and form.  
**BRITANNIA.** A delicate shade of soft salmon pink, passing to brownish apricot.  
**BURBANK.** Deep clear dark red. Excellent bloomer, never under any circumstances shows the least symptom of an open center, no matter how dry the weather or poor the soil.  
**CITIZEN.** Deep chestnut brown, shaded with purple. Fine form.  
**CORONATION.** Bright fiery scarlet, as effective as a geranium; a gem for garden and for cutting; flowers medium size; very compact and early.  
**COUNTESS OF LONSDALE.** Color, a delicate apricot shading towards the edges of the petals to carmine pink. Early and one of the very best. Each 25c, doz \$2.50.  
**ELECTRA.** Rosy lilac, compact habit.  
**ERECTA.** Of very erect habit of growth; the flowers also are held erect on stout stiff stems; color a brilliant amaranth-rose softened with lighter shadings.  
**ESTRELLA.** Perfect snow white Cactus with a trace of lemon yellow in the heart; most abundant bloomer.  
**EVA.** Of the purest white; fine shape and a very beautiful flower with slightly incurved petals.  
**FIGHTING MAC.** Rich fiery crimson, florets curved gracefully inwards.  
**FLORENCE M. STEDWICK.** Pure white, fine flowers, slightly incurved petals.  
**FRAU HERMINE MARX.** A beautiful pink, splendid for cut flowers.

- FULLHORN.** Very pretty Cactus Dahlia with long, curly petals. Color deep cerise pink with violet shadings. Plants are compact, never growing over 2 feet in height and covered with a great quantity of flowers throughout the season.  
**GABRIEL.** The ground color is a soft velvety crimson, the upper part of each flower for about half its length is pure snow white and much incurved. Each 20c, doz \$2.00.  
**GOTLINDE.** A grand flower of deep golden yellow, produced on long wirelike stems. The prettiest Dahlia up to date.  
**HERZBLATTCHEN.** Flowers of long tightly twisted petals, compact and full to the center. Color a deep apricot shading to carmine pink. A most profuse bloomer. Flowers are borne on long stiff stems. Commencing to bloom early in the season. Height 3 ft.  
**HOBBIES YELLOW. (P.)** Clear canary-yellow. Strong plants. Each 35c, doz \$3.50.  
**HOLSATIA.** Free flowering; orange and scarlet.  
**INNOVATION.** The finest bi-color Cactus Dahlia. The center is of a deep scarlet, the extremities of the petals are white.  
**KATHERINE DIER.** The flowers are of immense size, 7 inches across; they open out flat and show no center; the petals are wide and round- ing. Color, the most beautiful glowing scarlet without markings. The plant is a strong grower. Height 5 ft.  
**KRIEMHILDE.** An exquisite, delicate shell-pink, shading to cream in the center. Produces 5-inch flowers.  
**MONT BLANC. (P.)** White, with long pointed petals, slightly incurved. Strong grower.  
**MRS. H. J. JONES.** The flowers are perfectly full to the center, of finest cactus form, with long, narrow, twisted pointed petals. In color the incurved portion of the petals are deep crimson; the broad stripe of white running through the center of the petals extends almost to the center. Each 25c, doz \$2.50.

- PINK PEARL.** Great rival of Kriemhilde, of a beautiful pink  
**PROGENITOR.** Petals are split at the extremities, giving a most effective appearance. A brilliant scarlet and a grand sort. Each 20c, doz \$2.00.  
**RAKETE. (P.)** One of the freest flowering Dahlias. The flowers are of a bright scarlet color and are borne on long stems.  
**REV. D. R. WILLIAMSON.** Deep velvety crimson.  
**ROYAL SCARLET. (P.)** Bright scarlet.  
**ROTHER. (P.)** The flowers being of perfect shape, the color is a beautiful dark velvet crimson; very early and free flowering of dwarf habit. Each 20c, doz \$2.00.  
**SANTA ROSA.** One of Burbank's introductions. Exceedingly free flowering. The flowers are very large and full to center. Color a bright glowing scarlet.  
**SERPENTINA. (P.)** Fine for cutting, embracing all shades from pink to deepest purple.  
**SILVER WINGS. (P.)** Delicate silvery white.  
**STRAHLENKRONE.** Pleasing scarlet of good form, very free. Flowers large. Each 20c, doz \$2.00.  
**THURINGIA.** Brilliant orange scarlet, remarkably free and very large. Each 25c, doz \$2.50.  
**TORILLE. (P.)** Flowers with long pointed petals. Flower 4 inches across and of a deep cherry wine color, with the reverse side of petals striped with faint lines of white. Very pretty and showy.  
**VOLKER.** Medium size; free bloomer; clear, golden yellow.  
**ZAUNKONIG (Chickadee). (P.)** Very attractive, dwarf growing variety of a brilliant carmine with violet tipped petals. Very free

PRICE, except where noted, each 15c, doz \$1.50, per 100 \$10.00.

## Decorative Dahlias

This class comprises those Dahlias which depart from the formal rounded type of the show class but do not have the twisted petals of the Cactus type. We have listed the most satisfactory varieties of this class, which we offer as follows:

- BONNARD'S YELLOW.** Extra large flowering of a deep yellow  
**BERWYN.** Wide flat petals; rich velvet crimson. Very large.  
**CLIFFORD W. BRUTON.** Bright golden yellow. Very early.  
**CAPTAIN JACK.** Clear, dark scarlet.  
**DAVID HARUM. (P.)** Large flat flowers, measuring 6 to 7 inches across. Thick, wide petals, full to the center. Color bright orange scarlet with deep crimson shadings. Flower stalks are strong and hold the flowers up well above the foliage. Very free blooming habit and early. Height 4 ft. We consider this one of our finest decorative Dahlias. Each 25c, doz \$2.50.  
**GAVIOTA.** One of Luther Burbank's new Dahlias of the decorative type. Extra large flowers. Absolutely snow white. Long strong stems. A splendid bloomer with us after September 20th. Height 4 ft.  
**GOLIATH. (P.)** Deep Garnet red with long stems.  
**HENRY PATRICK.** A pure waxy white. It blooms very freely, producing flowers from 5 to 7 inches in diameter.  
**HOHENZOLLERN.** Deep dark crimson.  
**MATCHLESS.** A grand variety. It is dwarf and branching, strong and vigorous, overlaid with dark velvety maroon. Early and profuse bloomer.

- MRS. P. WYNDHAM. (P.)** Decorative Dahlia, with wide, flat petals. The flowers are large and flat. Color, apricot shaded to salmon in the center. Very free and early.  
**MRS. ROOSEVELT.** A most beautiful flower. It is of immense size, fine color, graceful form and has excellent stems for cutting. The flowers are perfectly double, 6 to 8 inches in diameter, and of a most delicate pink. Each 20c, doz \$2.00.  
**MRS. WINTERS.** This is an exceptionally large, pure waxy white sort. flowers measuring 5 to 7 inches in diameter.  
**SOUV. DE GUSTAVE DOAZON.** The flower measures 6 inches in diameter and of the decorative type. Large, wide thick petals of great substance. Color a pleasing shade of orange red. Very free bloomer. Strong and robust, growing 5 feet high. Each 25c, doz \$2.50.  
**SYLVIA.** A most decorative variety. Flowers about 5 inches, of no form and full to the center, which is white shading to soft pink on the rim. Petals of great substance, giving it a shipping quality. It is possessed by any other variety. The plant is a strong healthy grower, averaging 5 ft. and bushy. An early and profuse bloomer. The fine shapely flowers are set on very long stems.  
**WML AGNEW.** Flowers are large, measuring more than 7 inches in diameter. Color is the richest shade of intense, dazzling red

PRICE, except noted, each 15c, doz \$1.50.





## NEW PEONY-FLOWERED DAHLIAS

The new Paeonia-flowered Dahlias have created a sensation among Dahlia growers at European flower shows during the past seasons, having been awarded high honors in England, France, Germany and Holland. The flowers are semi-double, having 3 to 5 rows of long wide flat petals with shorter inner petals, showing the yellow center. The flowers measure 8 to 10 inches in diameter and are borne on long strong stalks.

**BARON DE GRANCY.** 6-in. flowers with a double row of pure white petals; very fine.

**BIG CHIEF.** A gorgeous new Dahlia. Brilliant cherry red, margined rich velvety maroon. A strong vigorous grower, producing its immense semi-double flowers, 6 to 7 in. across, on 2 ft. stems, in greatest profusion.

**GERMANIA.** Brilliant carmine, 4 rows of petals, compact growth.

**GLORY OF BAARN.** Beautiful rose pink, extra fine.

**GLORY OF GROENEKAN.** (P.) Extra large flower, orange yellow.

**JEANNE CHARMET.** (P.) Flower 7 to 8 in. in diameter. Long, wide, loosely formed petals. Center covered with short petals. Color bright pink with crimson edges. Fine long stems. Early. Extra fine.

**LA RIANTE.** (P.) Deep pink flowers on long, strong stems, an excellent variety. 50c.

**MANNHEIM.** (P.) Very fine form and of soft orange color 6 ft. \$2.00.

**PAUL KRUGER.** (P.) White and red; very long stems; 4 ft.

**QUEEN EMMA.** Lively rose and yellow margined. Very large.

**QUEEN WILHELMINA.** (P.) Giant flower of the purest white.

PRICE—Above sorts, each 30c, doz \$3.00, postpaid.

## SINGLE DAHLIAS

These are rapidly coming into favor every year on account of their profuse blooming and handsome colors, rendering them invaluable for bouquets. We list the following varieties as being the very best both as to color and size of flower:

**AMI BANILETT.** Single bright crimson, combined with the dark bronze foliage, makes it very attractive for lawn planting.

**ANEMONE.** Large white, very free bloomer.

**BLACK BIRD.** Large, intense velvety maroon, almost black, red spots at base.

**FASHION.** Rich crimson maroon with purple shadings; yellow center.

**GOLD STANDARD.** Pure single yellow, of largest size, finest form and texture. Flowers are borne on long graceful stems.

**HANSA.** Bright chestnut color; one of the finest formed single varieties of this selection.

**PRES. VIGER.** Striking and distinct, color rich claret, shading lighter at the edges with pure white collar occasionally rose tinted.

**PRECIOSA.** A very pleasing flower of a soft terra cotta with pink.

**STOLZER RIJSE.** A giant single flower, 5 inch, very free blooming, of a deep cherry red, with white circle around the center.

**WILDFIRE.** The most brilliant fiery scarlet on our list; flowers very large and a free bloomer.

PRICE—Above sorts, each 15c, doz \$1.50, postpaid; by express, 100 \$10.00.

## "NEW CENTURY" SINGLE DAHLIAS

They are all of free-branching habit, flowering early, profusely and continuously throughout the season; flowers  $4\frac{1}{2}$  to 6 in. across on stems 3 ft. long, and when cut keep in good condition for many days.

**CRIMSON CENTURY.** Rich, deep, velvet crimson, shaded maroon, with rose halo around a yellow disc.

**MAROON CENTURY.** Rich maroon, with yellow disc.

**PINK CENTURY.** Delicate soft pink.

**SCARLET CENTURY.** (P.) Brilliant scarlet, golden disc

**WHITE CENTURY.** Pure white, with large, heavy, overlapping petals.

**TWENTIETH CENTURY.** Early in the season, an intense rosy-crimson, shading gradually to almost white on the edges and a light halo around the disc. As the season advances the flowers become lighter, changing to almost pure white, suffused with soft pink

PRICE—Above sorts, each 20c, doz \$2.00, postpaid; by express, 100 \$15.00.



SHOW  
DAHLIA

## SHOW AND FANCY DAHLIAS

The varieties listed below all have large, round full flowers characteristic of the show class. They are either solid colors or edged or tipped lighter or darker. The latter are the fancy varieties.

**A. D. LIVONI.** A delicate rose, soft and clear; medium to large.

**APPLE BLOSSOM.** White ground, tipped pink, very double, good size and free flowering.

**BON TON.** Deep rich garnet.

**CRIMSON BEAUTY.** (P.) A fine rich crimson, large beautiful flowers; good form.

**CAMELLIAFLORA.** Very large pure white, thick Camellia-like petals.

**ETHEL SCHMIDT.** A cross of Storm King and Lottie Eckford that will soon be the standard of this type, on account of its early and profuse blooming, together with its long graceful stems. Pure white, flushed delicate pink, dotted crimson. Each 30c, doz \$3.00.

**FANNY PURCHASE.** (P.) Large deep yellow; very fine.

**FLORAL PARK JEWEL.** Deep maroon to bluish white flowers are produced on the same plant.

**FRANK GOODMAN.** (P.) Rich purple, tipped white; distinct.

**GEM.** Deep crimson, very double; large flowers; dwarf habit.

**GLORIE DE LYON.** White, large, fine.

**GRAND DUKE ALEXIS.** This grand show Dahlia is one of the finest of that type. Flowers are mammoth in size. The color is pure white, shading to a most delicate and charming shell pink. Beautifully quilled and double. Very free and early. Each 20c, doz \$2.00.

**H. SHERBER.** (P.) A dwarf grower, large salmon flowers.

**LILAC QUEEN.** (P.) Large full flowers of a beautiful pinkish lilac, a color not often seen in a flower.

**MRS. DEXTER.** (P.) Salmon, beautiful, double flower.

**MISS MAY LOMAS.** Delicate pure white, suffused soft pink.

**PRINCESS BONNIE.** (P.) A fine large pure white dahlia.

**RED HEAD.** (P.) Large double, bright scarlet flowers.

**STORM KING (Blizzard).** A companion for the superb pink Dahlia, A.

**D. Livoni.** This superior variety is an extremely early, profuse and constant bloomer, a strong, vigorous grower of dwarf branching habit, and produces its flowers on long stems. In fact, it combines all the good qualities of A. D. Livoni with an early-blooming habit and the production of twice as many flowers on longer stems. The flowers are snow-white and full to the center. Each 20c, doz \$2.00.

PRICE—Above sorts, except where noted, each 15c, doz \$1.50, postpaid; by express, 100 \$10.00.

## POMPONE DAHLIAS

Under this head comes those small Bouquet Dahlias that are so popular as cut flowers. Their small size makes them invaluable for bouquets and their range of color is as great as any of the preceding classes.

**ALETA.** Deep cerise pink.

**ANNA LONDORFF.** Yellow streaked carmine.

**CROWN POINT.** (P.) Bright scarlet.

**ELFIN.** A dainty Pompon variety; primrose changing to white.

**ELEGANTE.** A lovely bright pink, flowers of perfect form with beautiful quilled petals.

**LA PETITE BARBARA.** A beautiful quilled pure white.

**SNOW CLAD.** The finest white Pompon; dwarf and very early.

PRICE—Each 15c, doz \$1.50, postpaid.

## DRACAENA

**INDIVISA.** One of the best center plants for vases, urns and large pots. It stands full exposure to the sun and has long narrow graceful foliage.

2½-inch pots, each 15c, doz \$1.50, postpaid.

4-inch pots, each 25c, doz \$2.50, by exp.

Larger plants, each 50c, 75c and \$1.00, by exp.

(For other Dracaenas, see House Plants.)

**DAISY (English).** See Bellis Perennis.

## ECHEVERIA—HEN AND CHICKEN

**SECUNDA GLAUCA.** Used for carpet bedding, graves and borders.

Each 15c, doz \$1.50, postpaid; by exp., doz \$1.25, per 100 \$7.00.

## FEVERFEW

**DOUBLE WHITE.** Useful for bouquets. 2½-inch pots. Each 15c, doz \$1.25, postpaid; by exp., doz \$1.00, per 100 \$8.00.

**GOLDEN FEATHER.** Good for border or carpet bedding if kept well pinched back, 2½-inch pots. Doz 60c, postpaid; by exp., doz 50c, per 100 \$3.50.

**FOUNTAIN GRASS.** (See Pennisetum.)



# GERANIUMS

- ALBION.** One of the finest single whites, pure in color, of circular form, immense in size, strong healthy constitution. Each 25c, doz \$2.50.
- ALPHONSE RICCARD.** Semi-double flowers; brilliant shade of orange-red.
- BEAUTE POITEVINE.** Semi-double type. Beautiful shade of salmon pink.
- COLUMBIA.** Large trusses of a high scarlet of dazzling brightness.
- DECORATOR.** Semi-double light red; robust grower, very tree, and a splendid bedder, with fine trusses. Each 25c, doz \$2.50.
- DR. BEAUMETZ.** Double; a robust, free flowering variety; brilliant scarlet.
- HETERANTHE.** Semi-double, orange scarlet; good grower and showy
- JOHN DOYLE.** Rich scarlet, double; a robust grower and a continuous bloomer
- LA CONTABLE.** Double pink, good grower, compact, desirable. Each 25c, doz \$2.50.
- LA FAVORITE.** A fine double white; very rarely "pinks." Dwarf habit.
- MRS. F. PERKINS.** A charming shade of light pink, with white throat.
- S. A. NUTT.** Double, rich, dark crimson; large size trusses.
- SNOW QUEEN.** Pure white, single, of vigorous growth and free blooming.
- TIFFIN.** One of the freest blooming single scarlet varieties, color rich, glowing scarlet, crimson maroon, shading on upper petals; large trusses. Each 25c, doz \$2.50. Price, unless noted, each 15c, doz \$1.25, postpaid; by express, doz \$1.00, per 100 \$7.00.
- GERANIUMS FROM 4-INCH POTS.** We can supply all the above, except varieties priced at 25c, from 4-inch pots, at \$1.75 per doz, \$12.00 per 100, by express only.

## LADY WASHINGTON GERANIUMS

- AMAZEMENT.** The leaves are variegated white and green, in decided contrast. The flowers are large, with black maroon blotches on fiery red ground, and are edged with rose. A beautiful house plant when not in bloom on account of its striking foliage.
- EMMANUEL LIAS.** Mottled rose and white, much crimped, giving it a very double appearance; very free and vigorous.
- LADY CHURCHILL.** Blush salmon, large flowers and of good substance, with a distinct blotch in the upper petals.
- LADAS.** Of a most beautiful shade of blush pink, deeper in upper petals, which are heavily blotched maroon; large bold flowers, very free.
- KING OF SPAIN.** Reddish purple, fine bold flowers of grand form, lighter center, good constitution, very showy.
- PRINCE OLAF.** Orange scarlet, light center, large trusses; a most perfect habit, charming.
- KING HAARON.** Purple, shaded with a much deeper blotch on the lower petals; very fine flowers, grand.

Each 30c, doz \$3.00, postpaid.

## PANSY GERANIUM, Mrs. Loyal

This beautiful Pelargonium is of easiest growth, dwarf in habit, and literally covered with flowers all the time; and as it requires little or no attention, it is invaluable as a window plant. The coloring and marking of the flowers are most extraordinary, light pink, white, dark purple, black, etc., almost rivaling the Pansy in uniqueness of flower. It is this combination of coloring which obtained for it the popular name of Pansy Geranium. Strong plants, each 20c, 3 for 50c, doz \$2.00.

## VARIEGATED-LEAVED GERANIUMS

- WILLIAM LANGGUTH.** Beautiful deep green foliage, with broad, snow-white band. Flower, double, scarlet.
- HAPPY THOUGHT.** Green leaves, large yellow center.
- MRS. POLLOCK.** (Golden Tri-Color.) Bronze-scarlet zone
- MME. SALLEROL.** Dwarf, compact grower, not more than a foot high; more universally used than any other geranium as a border; bright green leaves edged white.
- SILVER, VAR. S. A. NUTT.** Similar in bloom to its parent plant, with foliage variegated green and white. Each 25c, doz \$2.50.

Each, except where noted, 15c, doz \$1.25.

## AROMATIC-SCENTED GERANIUMS

- APPLE SCENTED.** Very fragrant. These two sorts
- ROSE SCENTED.** Large foliage. for 20c prepaid.

## IVY-LEAFED GERANIUMS

- CAESAR FRANCK.** This new Ivy Geranium is a semi-double, with flowers 2½ inches across, in color a soft rich crimson. The flowers and trusses resemble the Crimson Rambler Rose, only much richer in color and finish.
- SOUV. DE CHAS. TURNER.** Light scarlet, double.
- BEAUTY OF JERSEY.** Pink; very bright, double
- JOAN OF ARC.** Only double white ivy geranium
- GEN. CHAMPIONETTE.** Double; bright scarlet

Each 15c, doz \$1.25, postpaid.

**GRAVE MYRTLE.** (See Vinca Minor.)

## HYDRANGEA

- OTAKSA.** Deep, rosy pink, vigorous grower, nearly hardy. 2½-inch, each 15c, doz \$1.50, postpaid; extra strong 2-year-old plants, each 50c, 3 for \$1.30, by express; 3-year-old plants, each \$1.00, by express.

## IVY

- Fine for hanging baskets, window boxes and vases.
- ENGLISH.** 4-inch pots, by express only. each 25c, doz \$2.50, per 100 \$18.00. 2-inch pots, each 15c, doz \$1.50, postpaid; by express, doz \$1.25, per 100 \$8.00.
- GERMAN (Senecio Scandens).** 2-inch pots, each 15c, doz \$1.20, postpaid. 3-inch pots, by express only, each 20c, doz \$1.75, per 100 \$12.00.

## LOBELIA

- Much used for border beds, vases, etc.
- BEDDING QUEEN.** Single dwarf blue. 2-inch pots, by express, doz 60c, per 100 \$4.00.
- NEW DOUBLE BLUE, KATHLEEN MALLARD.** A charming plant of English introduction. A seedling from Speciosa. Large double flowers of an intense rich deep blue color. A most desirable plant which meets favor with everyone who sees it. Each 15c, doz \$1.25.

## MOONFLOWER

- WHITE.** Small plants, each 10c, doz \$1.10, postpaid; large plants, each 25c, doz \$2.50, by express.
- BLUE (Leari).** Same sizes and prices as above.



GERANIUM DECORATOR

## MUSA ENSETE (Banana Plant)

A grand lawn plant of easiest cultivation in the open ground in summer, or for the conservatory in winter. Plants about 12 inches high. Each 35c, postpaid; larger size, each 50c and \$1.00, by express.

## PANSY

Plant grows from seed of our Prize Medal International Strain. There are no better Pansies. These should always be sent by express.

Doz (not prepaid) 50c, 25 for \$1.00, 50 for \$1.90, 100 for \$3.75.

## PARIS DAISY

**QUEEN ALEXANDRA.** New Giant Marguerite Double Daisy. This South African Marguerite is a fine novelty of great beauty and usefulness. It is the only true large flowering, pure white daisy, with double, semi-double and single flowers on a single plant at one time. Flowers average 2½ to 3 inches in diameter, an excellent pot plant for winter, besides very useful for cutting. Each 15c, doz \$1.50.

## PENNISETUM

Beautiful Ornamental Grasses, valuable as specimens on the lawn and undoubtedly the plant to use as edging for a bed of Cannas, Caladiums or Hardy Ornamental Grasses. Ready May 1st.

**RUPPELIANUM.** A beautiful variety of very fine grass-like foliage.

**LONGISTYLUM.** Growing about 2 feet high, producing long graceful white plumes, very effective when used as a border for Canna beds.

Each 10c, doz \$1.00, per 100 \$6.00, by express.

## PETUNIAS

Valuable summer bedding plants on account of their continuous blooming quality and splendid shades of color.

**PURITY, Grand New Double.** The finest Petunia ever introduced. Strong, stocky grown, never needing any support; flowers monstrous in size; very double, finely fringed. The color is pure white

Strong plants, each 15c, doz \$1.50, postpaid.

**FINEST DOUBLE SORTS.** Propagated from 2½-inch cuttings; white, pink and variegated. Price, same as above

**SINGLE FRINGED** varieties from seed. 2½-inch, each 10c, doz \$1.00, per 100 \$6.00, by express.

## SALVIA (Scarlet Sage)

**DROOPING SPIKES.** This large-flowering Salvia has three times the flowering capacity on each spike of the ordinary Salvia Splendens. The flowers are produced in great numbers, causing the spikes to droop by their weight.

**ZURICH.** 18-24 inch. Produces its wealth of flowers while very small, and is in full glory early in July.

Each of above 15c, 3 for 40c, doz \$1.25, postpaid; by express, doz \$1.00, per 100 \$6.00.

## THUNBERGIA (Black-Eyed Susan)

Beautiful trailing plants for hanging baskets and lawn vases. Flowers flaring, trumpet shaped. Mixed varieties.

Each 10c, doz \$1.10, postpaid; by express, doz \$1.00, per 100 \$6.00.

## VARIEGATED SAGE

A neat compact plant with green and white foliage turning to purple with age; fine for edging around beds or borders.

Plants from 2½-inch pots, each 15c, doz \$1.50, postpaid.

## VERBENA

Single plants of this pretty annual creeper will carpet a space 3 to 4 feet in diameter with neat foliage and scores of fine flower umbels. For beds, borders, mounds, vases and window boxes it is particularly fine.

**"VAUGHAN'S BEST" MIXTURE.** Doz 60c, per 100 \$4.00, by express

**LEMON SCENTED VERBENA,** ready May 15

Each 15c, doz \$1.50, postpaid.

## VINCA (Variegated Periwinkle)

**MAJOR VARIEGATA.** Fine plants for vases, hanging baskets and window boxes; variegated foliage. 2-inch pots, each 15c, doz \$1.50, per 100 \$10.00; 4-inch pots, each 25c, doz \$2.50, per 100 \$18.00.

**VINCA MINOR, Grave Myrtle.** See "Hardy Perennials."



# FERNS, PALMS and OTHER DECORATIVE PLANTS

*Suitable for Greenhouses, Window, Garden and House Plants.*

We raise these in large quantities, seven large greenhouses at our nurseries at Western Springs are constantly filled with all sizes. We ship every year many thousands to all parts of the country. The quality of our stock is unexcelled.

## ARALIA

**ELEGANTISSIMA.** Handsome decorative plant for center of table or conservatory. 12 to 14 inch, \$1.50 each; 16 to 18 inch, \$2.50 each. By express only.

## ARAUCARIA

**EXCELSA.** Norfolk Island Pine. This beautiful house plant resembles the pine somewhat in appearance, though much finer in texture. Plants, 12 inches high, each \$1.50; 14 inches, \$2.00; 18 inches, \$2.50. By express only.

## ASPARAGUS

**PLUMOSUS NANUS.** Keep out of sun, do not water too much, pot in sandy loam; useful for Fern dishes in center of table and for cutting to put amongst flowers. There is no better plant for table decorations. 15c each, 4 for 50c, postpaid; larger plants, each 25c, 50c, 75c and \$1.00, by express.

**SPRENGERI (Emerald Feather).** Fine for hanging baskets, window boxes, will stand full sun. Give plenty of plant food during growing period. This variety is also good for cutting. 15c each, 4 for 50c, postpaid; 4-inch pot plants, 8 to 10 inches long, each 25c, doz \$2.00, by express.

## ASPIDISTRA

This is the hardest of all plants for house decoration. It has been known to remain in the same pot for six years, with an application of fertilizer about once a month. They will stand any kind of treatment, sun or shade.

**GREENLEAVED.** 6 to 8 leaves, \$1.25; 10 to 12 leaves, \$1.75.

**VARIEGATA.** Variegated leaved, 6 to 8 leaves, \$1.50 each; 10 to 12 leaves, \$2.00, by express only.

## BOUGAINVILLEA

**SANDERIANA.** A valuable greenhouse climber, thriving outside in California; strong and rapid growth; rose crimson flowers from April extending nearly all Summer. Good rich soil is necessary. Small plants, 25c each by mail; large plants, 50c by express.

## CALADIUMS

**FANCY-LEAVED VARIETIES.** These have grown very rapidly in popular favor for the decorating of the conservatory, greenhouse and window boxes, also for planting out of doors when the ground has become warm, in partly shaded, sheltered borders, in well enriched, light soil, while for exhibition plants during the Summer and Fall months nothing can equal their beauty. We have 25 named sorts in the best standard kinds. We offer in our selection of kinds, strong bulbs, each 20c, 3 for 50c, 6 for \$1.00, doz \$2.00, postpaid.

## CROTONS

For beauty and richness of coloring nothing can be found to excel these fine foliage plants. They are equally adapted for house and bedding out. They require a liberal supply of water and full sun which will develop the most wonderful colorings in their leaves. Small plants, 30c each, \$3.00 per doz, by exp.; larger plants, 50c each, \$5.00 per doz, by exp.

## CYPERUS UMBRELLA PLANT

A splendid aquatic plant throwing up stems 2 to 3 ft. high, surmounted at the top with leaves. An excellent house plant, thriving in any good soil and always presenting a fresh green attractive appearance. 3-inch pots, each 15c, 4-inch pots, each 25c.

## CYCAS REVOLUTA (Sago Palm)

Valuable decorative plants, with heavy, glossy deep green leaves; good for specimens on lawn, halls and hotel decoration. Small plants, \$1.00 each, by exp.; larger plants, \$3.00 to \$5.00 each, by exp.

## DIEFFENBACHIAS

Splendid decorative plants with grand bold and ornamental foliage, fine for conservatory.

**BAUSEL.** Yellowish green, blotched dark green, spotted white.

**MAGNIFICA.** Shining green, variegated with blotches and spots of pure white. Each 50c, \$1.00 and \$1.50 by exp.

## DRACAENAS

**LINDENI.** Beautifully variegated broad green foliage and golden-yellow stripes. Strong plants, according to size, each \$1.00, \$2.00 and \$3.00.

**TERMINALIS.** Rich crimson foliage, marked with pink and white. 4-inch pots, 12 inches high, each 75c, by exp.

## FICUS (Rubber Tree)

**ELASTICA (India Rubber Tree).** The large shining green leaves endure the dry air of a living room as well or better than any other plant. This is why everybody likes it. Our plants are very choice. Plants 1 ft. high, each 60c, by express only.

**PANDURATA.** Leaves 10 inches in width by 15 inches in length; rich deep green, creamy white veins of great substance. One of the finest foliage plants of recent introduction. Plants 8 to 10 inches, \$1.25 each; 12 to 15 inches, \$2.00 each, by express only.

These make excellent presents for birthdays, holidays, etc. Customers on getting choice plants, and we shall be glad to attach cards if desired. Besides the sizes we list we have choice and larger plants, running in



Asparagus or Lace Fern



ASPIDISTRA. The most lasting house plant also called the Iron Plant on account of its hardness.



Boston Fern

## FERNS

### THE BOSTON FERN

This is a wonderfully healthy, rapid growing and graceful house plant. In great demand. Many people have bought it in preference to the finest Palms or Rubber Plants. Thrives in all rooms; gas or furnace heat does not seem to injure it.

1st size, each, 2½-inch pots, 20c, 3 for 50c, 12 for \$2.00.

2d size, each, 3-inch pots, 35c, 3 for \$1.00, 12 for \$3.00.

3d size, each, 4-inch pots, 50c, 2 for 85c, 12 for \$4.00.

4th size, each, 5-inch pots, bushy plants, \$1.00.

5th size, each, 6-inch pots, extra large and full, \$1.50.

6th size, each, 7-inch pots, extra fine plants, \$2.25.

Specimen plants, each, \$3.00 to \$6.00.

1st and 2d size prepaid, other sizes by express at buyer's expense.

**NEPHROLEPIS Elegantissima Compacta.** New. While this variety resembles Pteris Elegantissima, it is superior to it on account of its perfect compact habit, which is very bushy and short. We have tested this fern and find its character to remain constant. Each, 2½-inch pots, 80c, 4-inch pots, each \$1.25, postpaid.

**NEPHROLEPIS SCHOLZELI.** New. This variety is a sport from Scottii, possessing all the good qualities of that variety. Fronds are erect with a graceful arch, forming a good shaped plant. The fronds do not break down and have an elegant arrangement, allowing a free circulation of air through the foliage; prevents the plant from becoming defective or yellow in the center, which is one of the weak points of its predecessors. Each 75c, 3 for \$2.00, postpaid.

**"WHITMANI."** The most valuable Nephrolepis of the Ostrich Plume type yet introduced. Not only is it of dwarfier and more compact habit than the N. Elegantissima, but the pinnae being more deeply divided gives the plant a much more graceful appearance. 1st size, 25c each; 2d size, 35c each, postpaid. 3d size, 60c each; 4th size, 75c each; 5th size, \$1.25 each; 6th size, \$2.00 each, by express at buyer's expense.

**HARRIS FERN.** Possessing all the good qualities of the Boston Fern, only much broader fronds, which are deeply cut and fringed, giving it a very majestic appearance. Price by express, 4-in. pots, 75c each; 5-in. pots, \$1.00 each.

**CIBOTUM SCHIEDEL.** One of the most desirable and valuable Tree Ferns in cultivation. 5-in. pot plants by express, \$1.75.

### FERNS FOR PANS AND DISHES

Each 15c, any 2 for 25c, or the 5 for 60c, postpaid.

**Cyrtomium Falcatum (Holly Fern).** Thick, dark green leaves.

**Pteris Alba Lineata.** A variegated variety, white and green.

**Pteris Wimsettii.** Fine for fern pans and house use; crested.

**Pteris Serrulata Cristata.** Dwarf and bushy, graceful foliage.

**Lygodium Scandens.** Creeping Fern.

who wish to have any of these plants shipped or delivered may depend prices from \$2.00, \$3.00, \$5.00 and up to \$30.00.



**PANDANUS VEITCHII**

Fine decorative plant; leaves are light green, beautifully marked with broad stripes of pure white and gracefully curved.

Inch pots.	Inches high.	Each by Exp.	Inch pots.	Inches high.	Each by Exp.
4	10 to 12	\$1.00	6	18 to 20	\$3.00
5	15	2.00	7	24	5.00

**PANDANUS UTILIS.** Popular green-leaved variety.  
4-inch pots, each 50c, 5-inch, \$1.00, by exp.

**KENTIA BELMOREANA**

The Kentias are the hardiest Palms. They are of slow growth, and are less affected by the dust and dry atmosphere of the house than any others. The variety here offered is of dwarf, spreading habit, with fine rich dark green foliage.

Inch pots.	Leaves.	Inches high.	Each.	Inch pots.	Leaves.	Inches high.	Each.
3	4 to 5	12	\$0.50	6	6	20 to 22	\$2.25
4	5 to 6	15	1.00	7	6 to 7	28 to 30	4.00
5	5 to 6	18 to 20	1.50				

KENTIA BELMOREANA

**KENTIA FORSTERIANA**

This splendid variety is very similar to K. Belmoreana, but of stronger growth, with broader, heavier foliage.

Inch pots.	Leaves.	Inches high.	Each.	Inch pots.	Leaves.	Inches high.	Each.
3	3 to 4	15	\$0.50	8	6 to 7	48	\$6.00
4	4 to 5	18	1.00				
6	5 to 6	24	2.00				
6	6 to 7	30	2.50	10	6 to 7	60 to 65	14.00
				12	6 to 7	72	20.00

**LATANIA BORBONICA**

(Chinese Fan Palm.)

This popular fan-leaved variety is too well known to require description.

Inch pots.	Leaves.	Inches high.	Each.	Inch pots.	Leaves.	Inches high.	Each.
3	4 to 5	12	\$0.25	6	6 to 7	24	\$2.00
4	4 to 5	15	.50	7	6 to 7	26	3.00
5	5 to 6	20	1.00	8	7 to 8	28	4.50

The order for Plants, Shrubs, etc., which I sent you April 10th, has arrived, and they are the most satisfactory plants I ever bought. I surely got my money's worth this time.

Mrs. C. H. Ramsay,  
South Weymouth, Mass.



PHOENIX ROEBELENI

**PHOENIX CANARIENSIS**

One of the hardiest of the Date Palms, with dark green feathery foliage, of strong growth, and is especially valuable for outdoor decoration, as it stands sun and wind without the least damage, even in exposed situations.

Inch tubs.	Inches high.	Each.	tubs.	Inch.	Each.
7	26	\$3.00	9	3 1/2 feet high; fine	\$6.00
8	30	4.00			

**PHOENIX ROEBELENI**

The most graceful of the Phoenix, and a Palm which will become popular for room decoration. The plant is of vigorous growth, and its gracefully recurring leaves, with very narrow dark green pinnae, give it a lightness and airiness not surpassed, if equalled, by Cocos Weddelliana; at the same time it is as hardy as Kentia, succeeding admirably as a house plant.

Inch pots.	Inches high.	Each.	Inch pots.	Inches high.	Each.
3	6 to 8	\$0.50	5	15	\$2.00
4	10	1.00	6	20	3.00

**SMILAX**

Fine for wreaths, bouquets, festoons and general decoration. Plants, 15c each, 2 for 25c, by mail.

# **Surprise Collections of Choice Plants**

WE devote twenty large greenhouses to the cultivation of decorative and flowering plants, supplying, as we do, commercial florists all over the country. To be well prepared for the season's orders, we propagate largely of nearly all the plants we grow.

For reasons readily understood, many excellent kinds often show an overstock toward the close of each season and, for lack of room, must be disposed of. To do this quickly and make room for our Summer stock, we offer for May planting these splendid Collections, regardless of value. Remember, none of these are poor plants or inferior kinds in any way, but are often high-priced varieties.

If sent by express or purchased at our Chicago store we will furnish larger plants than if sent by mail and leave more earth on the roots, the price, however, will be the same. We cannot permit any changes in the composition of these collections nor in the time of delivery.

**SURPRISE "CANNA" COLLECTION**

This collection contains  
**8 DIFFERENT VARIETIES  
OF THE NEW EVER-BLOOMING CANNAS**  
For 75 cents, prepaid.

Includes crimson, scarlet, yellow spotted, gilt edged, orange, bronze-leaved, 8 of the best large-flowering new kinds from our famous World's Fair Collection, one of the best in America.

**SURPRISE "DAHLIA" COLLECTION**

10 for 75 cents, prepaid.

We will include in this collection ten Dahlias, selected from our grand collections of varieties. All different. This collection would be cheap at double the price.

**SURPRISE "ROSE" COLLECTION**

See Page 106.

**SURPRISE COLLECTION BEDDING PLANTS**

25 different varieties of bedding plants, such as Ageratum, Lobelia, Verbena, Begonias, Cosmos, Geraniums, Cannas, etc.

For \$1.00 by express at your expense.

**SURPRISE "CARNATION" COLLECTION**

10 GRAND CARNATIONS,  
ALL DIFFERENT SHADES AND COLORS  
For 75 cents, prepaid.

All of the best sorts, including some varieties from our Columbian set.

**SURPRISE "GERANIUM" COLLECTION**

10 BEAUTIFUL GERANIUMS  
For 75 cents, prepaid.

In this collection of this old-time favorite, now again so much in demand, we include new and choice sorts. All colors, single, double and scented—all different.

**SURPRISE CHRYSANTHEMUM COLLECTION**

10 CHRYSANTHEMUMS,  
ALL DIFFERENT AND DISTINCT SORTS  
For 75 cents, prepaid.

This collection will be made up of the best sorts, only such as are listed elsewhere in this book.

**SURPRISE SHRUB COLLECTION**

Ready May 1st

For \$1.00 we will send 6 Hardy Ornamental Shrubs, our selection of sorts, 2 to 3 feet high, by express at your expense. These will be first-class bushes.

**SURPRISE PERENNIAL, COLLECTION**

Ready May 1st

For \$1.00 we will send, by express, at buyer's expense, 15 Choice Hardy Perennial plants, all different, regular price, \$1.50 per dozen.



# ROSES FOR THE GARDEN



WHITE KILLARNEY.

## Rose Growing at Western Springs

We grow young rose plants only. We do not grow cut flowers. The best healthy wood is used for propagation and is not exhausted in bearing flowers. Our heavy soil is exactly adapted to rose growing. Rose plants as we grow and pack them, go safely to long distances, even all Pacific Coast towns and cities.

With special fast mail service in every direction from Chicago, our mail and express packages of all greenhouse plants are much more satisfactorily handled than from cities less centrally located. We guarantee safe arrival.

**Roses by Mail.—Their Care.** Do not expose roots, but place at once in a shallow dish of tepid water. Toward evening carefully plant in good mellow soil, thoroughly firming the moist earth around the roots. Shade from the midday sun.

**Roses by Express.—Their Care.** Are usually packed with all or part of the earth adhering to each plant; they invariably arrive in good order. If the balls of earth are dry, hold carefully in a pail of water for a moment, then plant, firming the soil thoroughly around the balls. Shade is not necessary.

The prices quoted on this page for 2½-inch pot plants and under include postage. Larger sizes, out of 3, 3½ and 4-inch pots and dormant plants, should be sent by express. If wanted by mail, add 5 cts. each for postage.

Some brief remarks as to **Situation, Soil, Planting, Pruning, Protection in Winter, and Insects:**

**Situation**—A sheltered place from north and east winds and a free circulation of air, with plenty of sun.

**Soil**—Deep loam; the rose is a gross feeder and requires a liberal supply of farmyard manure, together with **Vaughan's Rosegrower Bonemeal** at the rate of two pounds to the square yard, and in heavy soils good drainage. Roses will not grow in sand or wet, stagnant soil.

**Planting**—April and October are best for dormant stock, and May for pot-grown stock. The soil should be comparatively dry and loose. Dig a good, large, deep hole, spread roots out evenly over bottom, hold the plant when filling in the soil and shake lightly so that the soil will set evenly about the roots. When the hole is half full of soil, tread firmly with the foot.

**Pruning**—Contrary to common opinion pruning is one of the main aids to success in rose-growing and should be done in March. First select a few strong, well-ripened shoots, the number depending on size and age of plant. All the short, premature ripened wood should be cut clean away, together with all the old weakly shoots, leaving only those selected. These should be cut back to an eye looking outwards from 4 to 6 inches, according to the strength of the variety, the stronger the shoots, the longer they can be left. This method should bring vigorous growth and keep the plants young and healthy for many years.

**Protection in Winter**—For the tops, dry ferns, spruce branches or straw. For the roots, cover with 3 or 4 inches of good manure. The Tea varieties can be hilled up with dirt, which prevents injury from winter and early spring freezes and thaws.

**Insects**—Hellebore dusted on the leaves early in May will destroy the leaf roller or slug. Thrip can be cured by constant syringing, applying a little Nicofume Liquid with the water. Mildew can be cured by dusting sulphur on the plants.

For Rose-bugs, hand picking is the only effectual remedy. For list of Pruning Tools and Insecticides, see back of catalogue.

## Rose Specialties for 1910

**CARDINAL (H. T.)** Dark Red, very long bud, robust growth and free flowering. Very distinct and hardy.

Price, 2½-inch pots 20c, 3½-inch 35c.

**CHATEAU DE CLOS VOUGEOT (H. T.)** Velvety scarlet, shaded with fiery red, changing to velvety crimson as the flowers expand. Splendid foliage. A superb rose. Price, each, 2½-inch pots 50c, 3½-inch 75c.

**LEUCHTFEUER (President Taft) (H. T.)** This beautiful new bedding rose is a cross between Gruss an Teplitz and Cramoisi Superieur. It might be called a dwarf Gruss an Teplitz, possessing all the brilliant qualities of its parent, with the additional advantage of having flowers which are more double and sweeter. This new rose makes a beautifully compact bush and is covered from early June to frost with brilliant dark red flowers. The plants are hardy. A slight protection of soil around the plants late in Fall will prove sufficient protection. This new rose supplies a dark red bedder which will furnish flowers throughout the entire summer. Price, each, 2½-inch pots 50c, 3½-inch \$1.00.

**MME. CONSTANT SOUPERT (Tea)** A fine grower, with enormous buds sharply pointed and plump; color, deep golden yellow tinted and shaded with rosy peach. One of the finest of recent introductions, with good stiff stems and elegant dark foliage. Price, each, 2½-inch pots 25c, 3½-inch 50c.

**MAD. SECOND WEBER (H. T.)** This novelty is a cross between Victor Hugo, is one of the most desirable of recent introductions. The color, a pure flesh salmon rose, is entirely new among hybrid Teas. The flowers are very large, composed of large, firm petals, cup-shaped, of regular form and last a long time. The buds are pointed, oblong, and are borne upright on long, rigid stems. The habit of the plant is irreproachable, the foliage vigorous and abundant. It is an ever-bloomer, flowering from early spring until late fall, rendering it most desirable for forcing and bedding. We have closely watched this rose for the last ten months and consider it a variety of great promise. Price, each, 2½-inch pots 25c, 3½-inch 50c.

### VAUGHAN'S "DANDY" COLLECTION NO. 625 OF EIGHT VERY CHOICE EVERBLOOMING ROSES

This collection consists of one each of the above eight very superb roses from 2½-inch pots, price, "Dandy," Size A, \$2.00, prepaid. "Dandy," Size B, from 3½-inch pots, \$4.00, prepaid.

**MRS. AARON WARD (H. T.)** A vigorous grower of erect branching habit, fine shining foliage, with superb buds carried on long, sturdy stems. Flowers very large, with broad petals and cupped. Color, deep rose pink with carmine center. Fine for garden and as cut flowers. Price, each, 2½-inch pots 30c, 3½-inch, strong, 75c.

**MY MARYLAND (H. T.)** Grand novelty of last year and a prize winner at nearly all the big Flower Shows this past autumn. Bright salmon pink with paler edges; very fragrant, robust and floriferous; a rose of great promise. Price, each, 2½-inch pots 25c, 3½-inch pots 50c.

**WHITE KILLARNEY (H. T.)** A pure white sport from Killarney. Flower Show. Awarded Silver Cup at National Flower Show. Identical with the ever-popular and well known pink Killarney. It is perfectly hardy with light protection. A strong, robust grower, flowering very freely throughout the season. The flowers are very large, buds long and pointed; erect stems and a great acquisition. Price, each, 2½-inch pots 25c, 3½-inch pots 50c.

**THE LYON (New French Rose)** A cross between Mme. Melame of Soleil d'Or. Color, shrimp pink at edges of petals; center of flower intense coral red, shaded chrome yellow; free grower and abundant bloomer; flowers large, fairly full, with fine smooth petals and long pointed buds. We have no hesitation in recommending it to our customers as the most wonderful coloring amongst roses which has yet been attained. Very fragrant and hardy. Price, 2-year dormant stock, each \$1.00.

**YVONNE VACHEROT (H. T.)** A new rose of great promise, both for cut and as a pot rose. The stalks are of vigorous growth, with clean and abundant foliage. The buds are long, stiff and strong, the buds long, solid and of a very pleasing shape. The color of the bud is a fresh clear pink, a shade which is well liked and will prove a good seller. Splendid novelty for 1910. Price, each, 2½-inch pots 25c, 3½-inch pots 50c.



# ROSES



W. R. SMITH



CARDINAL



KAISERIN  
AUGUSTA  
VICTORIA

## HARDY EVERBLOOMING HYBRID TEA ROSES

A class which is rapidly becoming conspicuous. The result of crossing Hybrid Perpetuals with the Tea Scented varieties, and being perpetual bloomers all summer, bid fair in a few years to outrival all other sections, possessing as they do a good deal of Tea Blood give us the most beautiful shades of color. Good long stems, pointed buds and very fragrant flowers which make them amongst the best for cut flowers and table decoration. They are hardy and free growers producing quantities of bloom from the beginning of the season until late in fall.

**CAPTAIN CHRISTY.** (\*) Fleshly white, center richer in color, large and full flowers; a most useful and robust variety.

**CARDINAL.** (P.) See page 102.

**CAROLINE TESTOUT.** (\*) Valuable for winter or summer blooming; flowers full, very large, globular form, color clear satin rose, very vivid, petals bordered with tender rose, very fragrant. Vigorous grower, branches strong and straight.

**CHATEAU DE CLOS VOUGEOT.** (P.) See page 102.

**COUNTESS OF GOSFORD.** Awarded the gold medal of the National Rose Society, London, 1905. It is a strong grower, with a free branching habit and bold foliage. A profuse bloomer. It is unsurpassed among hybrid teas. Its color is a distinct salmon pink and the base of the petals suffused saffron yellow and the whole bloom shaded salmon. The flowers are of perfect form and large, full, very long and pointed. Petals large and of great substance.

**DUCHESS OF ALBANY.** (\*) Deeper pink than La France, very sweet scented, large, full and vigorous grower.

**ETOILE DE FRANCE.** Crimson, very full and opening freely; this is queen of the ever-blooming Red Roses.

**FARBEN KONIGIN.** (\*) Strong, upright grower, free flowering, large and double. Buds long; like a La France in appearance; color bright salmon rose with silvery sheen.

**GENERAL MACARTHUR.** Dark velvety crimson, large full form; a most reliable rose.

**GLOIRE LYONNAISE.** (\*) Light creamy yellow, medium size, nice form; useful for bouquets.

**GRUSS AN TEPLITZ.** Unquestionably the finest brilliant red, hardy, ever-blooming garden Rose introduced to date. The color, when first opening, is very dark rich crimson, quickly changing to bright scarlet, shading to velvety, fiery-red. The flowers are very showy and handsome. It blooms constantly and continues covered with flowers the whole season.

**J. B. CLARK.** (\*) Growth is strong and upright; very vigorous. Blooms are large and beautifully formed; flower very full and long; color intense scarlet, strongly fragrant.

**KAISERIN AUGUSTA VICTORIA.** Very large, cream shaded with lemon; very full flowered and of perfect form.

**KILLARNEY.** No other rose has attracted so much attention as Killarney. It seems to revel in our climate and has proved a most valuable rose wherever tried. It is a strong, robust grower and free and continuous bloomer. The color is brilliant sparkling pink; the flowers are extra large and full, with broad, thick petals and delightful tea fragrance. With usual winter protection it is quite hardy, and altogether a rose of great beauty and excellence.

**LA FRANCE.** (P.) Bright satin pink and rose, silvery reflex; blooming early and late, one of the best roses grown.

**LA FRANCE.** (P.) Striped. A new Rose resembling La France in form and substance, but the flowers are distinctly striped with pearl, white and satin rose.

**LA FRANCE.** (P.) White. A seedling of La France. Pure white, delicately shaded with soft rose, very fragrant and beautiful.

**LADY ASHTOWN.** Very pale rose, shading to yellow at base of petals; flowers large, full and pointed; habit, branching and vigorous; a splendid rose for garden or greenhouse.

**LEUCHTFEIER.** (P.) See page 102.

**MAD. ABEL CHATENAY.** Carmine shaded salmon, robust and free; one of the best bedding varieties.

**MAD. JULES GROLEZ (Red Kaiserin).** In this new rose we offer a red Kaiserin Augusta Victoria. It is similar to the white in foliage, habit, shape and size of bloom, but the color of the flowers is a beautiful cherry-red. If you want roses to cut all summer be sure to include Red Kaiserin in your collection.

**MAD. SEGOND WEBER.** (P.) See page 102.

**MRS. AARON WARD.** (P.) See page 102.

**MY MARYLAND.** (P.) See page 102.

**MAGNOFRANO.** (P.) One of the most desirable Hybrid Tea Roses. A strong, compact grower and a constant and profuse bloomer, with extra large flowers, full, deep and double, and deliciously Tea scented. The color is bright, deep, rich, shining rose.

**MILDRED GRANT.** (\*) New Hybrid Tea of vigorous upright growth. Flowers of the largest size, pure white, delicately tinted with light pink.

**MAD. JENNY GILLEMOT.** (P.) A fine upright grower, branching habit. Buds long and pointed. Color deep saffron yellow with dark golden shadings; very free bloomer.

**PHARISAER.** Flesh pink with dark salmon red center, strong robust grower and very free blooming.

**RHEA REID.** (P.) A new Hybrid Tea of American origin. Flowers as large and full as the American Beauty. Deliciously fragrant. Color, rich bright cerise in summer and dark red in winter. Very free blooming and of easiest culture.

**RICHMOND.** (P.) Scarlet-crimson, pointed buds and tall, erect stems; handsome dark foliage, one of the most successful new forcing roses of recent date.

**SOUVENIR DU PRESIDENT CARNOT.** (P.) Flush white, shaded deeper at center; pointed buds, which develop into large, double flowers on stiff stems; vigorous growth; a fine variety for all purposes.

**WHITE KILLARNEY.** (P.) See page 102.

**W. R. SMITH.** (P.) As a summer bedder this variety comes up to the two Coquets. Very floriferous flowers, creamy white with pink shadings. The strongest grower of all the summer bedders.

**YVONNE VACHEROT.** (P.) See page 102.

**Note.**—Varieties marked with (\*) Dormant Stock only up to May 1st. Varieties marked with (P.) Pots ready to ship May 1st or before if wanted.

All other varieties can be had in pots or dormant.

PRICES—2-year-old Dormant Plants, each 40c, per dozen \$4.00; Plants from 2½-inch pots, 4-inch pots, each 30c, per dozen \$3.00.

### The "Winnetka" Collection of 12 Everblooming Roses

(For description see general list of Hardy Everblooming Tea Roses.)

Captain Christy, Flesh Rose.	Gloire Lyonnaise, Yellow.	La France, Satin Pink.
Caroline Testout, Satin Rose.	Gruss an Teplitz, Brilliant Red.	Madam Abel Chatenay, Carmine.
Duchess of Albany, Deep Pink.	Kaiserin Augusta Victoria, Cream.	Mildred Grant, Pure White.
Etoile de France, Crimson.	Killarney, Pink.	Red Kaiserin, Red.

PRICE—2-year-old Dormant plants until May 1st, 1 each of 12 above kinds, \$3.50; 3 each of 12 above kinds, \$10.00.

### The "Lake Forest" Collection of 15 Everblooming Roses

(For description see general list of Hardy Everblooming Tea Roses.)

Countess of Gosford, Salmon Pink.	Kaiserin Augusta Victoria, Cream.	Madam Jules Grolez, Red.
Etoile de France, Crimson.	Killarney, Pink.	Madame Jenny Guillemot, Yellow.
General McArthur, Velvety Crimson.	Lady Ashtown, Pale Rose.	Rhea Reid, Cerise.
Gruss an Teplitz, Brilliant Red.	La France, Satin Pink.	Richmond, Scarlet.
	Madam Abel Chatenay, Carmine.	Striped La France, Striped.

PRICE—The Collection from 2½-inch pots (only), \$1.50; from 4-inch pots, \$3.00.

REGARDING THE MAILING OF ROSES.—Our prices on the small sizes, out of 2 or 2½-inch pots include postage. Larger sizes, out of 3, 3½ and 4-inch pots and dormant plants should be sent by express. If wanted by mail, add 5 cents each for cost of postage and packing.





AMERICAN BEAUTY.



JOHN HOPPER.

## Hardy Hybrid Perpetual Roses

These are of a hardy constitution, vigorous growth, and easily cultivated, and stand the climate of northern or middle states better than any other class.

Many of them flower the entire summer, others flowering through the month of June, and again in August and September, especially so if they are kept watered from time to time with manure water and a dressing of Bonemeal, say two pounds to the square yard. Care being taken to look after the attacks of insects which can be done by a liberal sprinkling of Hellebore during early Spring.

The flowers are large, often measuring five to six inches in diameter. Very fragrant. They are of all colors. For bedding in solid groups and amongst shrubbery and for the Exhibition stand. They form the principal part of our ordinary garden roses. Plant fifteen to eighteen inches apart. If planted in beds, the Baby Rambler Roses form a fine border for the outside row.

**ALFRED COLOMB.** Bright carmine red, large globular flowers, erect grower and abundance of bloom.

**\*AMERICAN BEAUTY.** Deep pink shaded toward the center with carmine crimson. Large, full and fragrant.

**\*ANNA DE DIESBACH.** Bright rose, very large and showy, long pointed buds, a vigorous grower.

**\*BALL OF SNOW.** Pure white, light flesh when opening, elegantly formed with beautifully shaped petals.

**BARON DE BONSTETTIN.** Rich, dark red passing to deep velvety maroon, double and full.

**BARONESS ROTHSCHILD.** Rich satiny pink, very large, full and fine form.

**CAPTAIN HAYWARD.** Scarlet crimson perfect form, sweet scented, very fine.

**CLIO.** Flesh color shaded to center with rosy pink, a vigorous grower with fine foliage and abundance of bloom.

**\*COQUETTE DES ALPS.** Elegant large flowers, pure white, fragrant, a profuse bloomer, hardy and one of the best.

**\*DINSMORE.** Rich cherry red, constant and profuse bloomer, a general favorite. Pot plants only.

**DUKE OF TECK.** Crimson Scarlet, very distinct, vigorous grower, flowers large and full.

**FISHER HOLMES.** Deep crimson, fine rose in every way. Perfect form.

**FRAU KARL DRUSCHKI.** (White American Beauty.) Snowy white, large, full, vigorous grower, good foliage, splendid long buds.

**\*GEN. JACQUEMINOT.** Bright shining crimson, shapely buds and handsome blooms. The Jack Rose is noted for its good qualities.

**GEN. WASHINGTON.** Brilliant crimson scarlet, constant bloomer, dwarf grower and perfectly double.

**GIANT OF BATTLES.** Rich red, very large and of good form and substance, free bloomer.

**HUGH DICKSON.** Brilliant crimson shaded scarlet, large smooth petals, slightly reflexed on the edges. Very fragrant and a vigorous grower.

**\*JOHN HOPPER.** Brilliant rosy crimson, solid and regular flowers abundant, free and fragrant.

**MABEL MORRISON.** Pure white large massive perfectly formed flowers.

**\*MAD. CHAS. WOOD.** Brilliant fiery red, very double and quite fragrant flowers, a constant bloomer the entire season.

**MAD. GABRIEL LUIZET.** Light satiny pink, attractive, large and full, best in early season.

**MAD. PLANTIER.** Pure white, large and double, a free and continuous bloomer, fine for cemetery planting.

**\*MAGNA CHARTA.** Deep pink, large sweet scented and of fine form, one of the hardest roses in cultivation.

**MARGARET DICKSON.** White, pale flesh in center, vigorous and absolutely hardy, good stiff stems.

**MARIE BAUMANN.** Vivid red, perfect form, fragrant, a good exhibition variety.

**MARSHALL P. WILDER.** Bright carmine red, large and full flowers, a grand rose.

**MERVILLE DE LYON.** White, center slightly rosy peach, flowers cup-shaped, large and full.

**MRS. JNO. LAING.** Bright shining pink, good foliage, long stiff stems, constant bloomer and very hardy.

**\*MRS. R. G. SHERMAN CRAWFORD.** Light flesh pink, perfect flowers, somewhat imbricated on clean, erect stems.

**PEONIA.** Light red, peony shaped flowers, very hardy and robust grower.

**\*PAUL NEYRON.** Deep rose, enormous flowers, good foliage, and a strong grower.

**\*PRINCE C. DE ROHAN.** (The Black Rose.) Deep velvety crimson passing to intense maroon, fragrant, a strong grower and hardy.

**\*ULRICH BRUNNER.** Cherry crimson, large fine form, a good garden and exhibition rose, very strong grower and hardy.

Price. Extra strong, dormant, 2-year-old field-grown plants supplied up to May 1, by express, each 35c. 3 for \$1.00, doz \$3.50, per 100 \$25.00.

NOTE.—Varieties marked with an asterisk (\*) can be supplied in pots on their own roots, ready May 1, prices as follows: 2½-inch pots, each 15c, doz \$1.50; 4-inch pots, each 25c, doz \$2.50

### Rose Collections

We give the names and colors of the varieties in our collections, but should the stock, as the season advances, become exhausted, we reserve the right to send another of similar character and equally desirable in place of it without further notice. If customers do not wish this, please state so when ordering.

## Vaughan's Unrivalled Collection of 12 Best Hardy Garden Roses

For description see general list of Hybrid Perpetual Roses.

Anna de Diesbach. Bright rose.  
Baron de Bonstettin. Dark red.  
Baroness Rothschild. Pink.  
Frau Karl Druschki. White.  
Gen. Jacqueminot. Crimson.

John Hopper. Rosy crimson.  
Margaret Dickson. Flesh.  
Mrs. Jno. Laing. Bright pink.  
Mrs. R. G. S. Crawford. Flesh.  
Paul Neyron. Rose.

Prince C. de Rohan. Velvety crimson.  
Ulrich Brunner. Cherry crimson.

Price: 1 each of 12 above named kinds \$3.00 or 3 each of 12 named kinds \$8.00.

NOTE.—The roses offered in this collection are budded low on Manetti stocks. These are generally known as grafted roses. Can be planted the first thing in Spring up to May 1. After that date only potted plants can be supplied. These roses should be planted so that the part where the bud is joined with the stock will be three inches below the surface.

### Regarding the Mailing of Roses

Our prices on the small sizes, out of 2 or 2½-inch pots include postage. Larger sizes, out of 3, 3½ and 4-inch pots and dormant plants should be sent by express. If wanted by mail, add 5 cents each for cost of postage and packing. We do not recommend the mailing of Roses.

NOTE.—Pot grown roses should not be planted out of doors until all danger of frost is past.



## BABY RAMBLER ROSES

We were the first to offer the Crimson Baby Rambler Rose in America. This Rose has come to stay and is a favorite everywhere on account of its hardiness, free blooming habits and adaptability as a pot Rose and for bedding purposes.

### CRIMSON BABY RAMBLER

A French Rose (Mme. Norbert Levavas seur), is a cross between Crimson Rambler and Glory of Polyanthus, retaining the color of the former with the exceedingly free flowering habit of the latter. The flowers are borne in clusters of 30 to 40, and the foliage is dark, glossy and profuse. A large bed in our grounds was constantly in bloom until November, even in the hottest weather. This is a remarkable record.

**PRICE:** All strong plants showing flowers and buds. The first size singly, in threes and in dozens, can be sent prepaid by mail; other sizes are too large to mail and must be sent by express at buyer's expense.

	Each	3 for	Doz	100
2 1/2-inch pot plants.....	\$0.15	\$0.40	\$1.50	\$10.00
4 -inch pot plants.....	.35	1.00	3.50	25.00
2-year dormant field grown, extra strong..	.40	1.10	4.00	28.00
3-year dormant .....	.60	1.60	6.00	

**TREE BABY RAMBLER.** Budded on Rugosa stock in tree or standard shape. Fine 2-year-old heads on 2 and 3 ft. stems, which will give you a tree rose in flower all Summer and Fall.

**PRICE:** Each \$1.00, 6 for \$5.00, all by express.

CRIMSON  
BABY  
RAMBLER

### BABY DOROTHY, The New Pink Baby Rambler

(Maman Levavas seur)

Compared to the well-known Crimson Baby Rambler Rose, this lovely new rose is just as vigorous and free blooming, with the difference that the flowers are a very bright and pleasing rose-pink. It is perfectly hardy and blooms from Spring to Fall, and as a pink bedding rose it has no equal. We have counted as many as 100 blooms to a cluster on 3-year-old plants.

2 1/2-inch pot plants, 20c each, 3 for 55c, dozen \$2.00.

4-inch pot plants, 40c each, 3 for \$1.10, dozen \$4.00.

### VAUGHAN'S WHITE BABY RAMBLER

This bush rose, which we imported from Germany two years ago, we are more than pleased with, as the plants have never been out of bloom. The flowers are borne in clusters of 50 to 75 individual flowers, 1 inch in diameter and pure snow white. The foliage is dark and glossy and finely cut. Does not grow over 12 inches in height, forming very bushy plants. For cemetery use of great value, being perfectly hardy.

2 1/2-inch pot plants 15c each, 3 for 40c, dozen \$1.50.

4-inch pot plants 35c each, 3 for \$1.00, dozen \$3.50.

### MRS. CUTBUSH (New)

In this new Baby Rambler we have the same style as Mme. Norbert Levavas seur, except that the flowers, which are borne very profusely, are of a pleasing salmon pink color, very desirable.

2 1/2-inch pot plants 20c each, 3 for 55c, dozen \$2.00.

4-inch pot plants 40c each, 3 for \$1.10, dozen \$4.00.

2-year dormant 50c each, 3 for \$1.35, dozen \$5.00.

### SOUPERT SET

This is a collection that will give a rose bed full of flowers all Summer. Each one especially adapted to Summer blooming and which can be wintered over with protection of straw and leaves.

**CLOTHILDE SOUPERT** This is the most famous pot and bedding rose (Polyantha Tea). Its charming coloring, shading from pearly white to purest rose, double blossoms, delightful fragrance, wonderful vigor and freedom of bloom combine to make it a most beautiful rose. We take pride in sending out only selected strong plants which will be a credit to us as original introducers of this great novelty.

### NEW YELLOW SOUPERT, MOSELLA

A lovely new addition to the Soupert family, and has its free-flowering habit. The color is a white tint on beautiful light yellow ground.

**WHITE SOUPERT (Clothilde Fitzer).** The genuine white Soupert, identical with Clothilde Soupert in every way except in color, which is ivory-white. It is free blooming and hardy. Every rose garden should contain this variety.

**RED SOUPERT (Ma Petite Andree).** This color has been long sought after to complete the Soupert class of unequaled bloomers. A strong dwarf and compact grower, covered constantly with full and double brilliant crimson flowers. One of the most useful of roses.

**PRICE:** 2 1/2-inch pot plants each 15c, dozen \$1.25.

3 to 4-inch pot plants each 30c, dozen \$3.00.

### TEA ROSES

This class are easily distinguished by their delicate fragrance and shades of color. Not being as hardy as the Perpetuals and Hybrid Teas, are more suited to greenhouse culture and the southern states, although they can be planted in any latitude and sunny position where they are protected from cutting winds. They prefer a rich warm, dry soil and moderate pruning, removing all the unripe and weak wood. Protection in the way of straw, litter or leaves is necessary in the Fall.

**BRIDESMAD** Clear shiny pink stems, long and stiff. A profuse bloomer. A sport from Catharine Mermet.

**HELEN GOULD** A vigorous grower, with long beautiful buds of rosy crimson. Hardy and incessant bloomer.

**IVORY (White Golden Gate)** Pure ivory white, pointed buds borne on stiff stems. Good for garden or greenhouse.

**MAD. CONSTANT SOUPERT** See page 102.

**MAMAN COCHET** Carmine, mingled with salmon yellow; large, full and vigorous.

**MARIE LAMBERT** Lemon yellow, tea-scented flowers passing to white; very free bloomer and of excellent character.

**PERLE DES JARDINS** Deep straw yellow, sometimes deep canary yellow; the finest of its color for Summer or Winter blooming.

**THE BRIDE** A white sport from Catharine Mermet; large, full, perfect, pure white.

**WHITE MAMAN COCHET** A sport from Maman Cochet; superb white rose, large and full.

**YELLOW COCHET** Canary yellow, with deep peachy red center, changing to creamy pink as the flowers open; compact growth, quick and abundant bloomer; large and fragrant.

2 1/2-inch pot plants each 15c, dozen \$1.25.

3 1/2-inch pot plants each 30c, dozen \$3.00.

**HOW WE SEND ROSES**—Prices for 2 1/2-inch pot plants include postage; larger sizes, out of 3, 3 1/2 and 4-inch pots and dormant plants, succeed best when sent by express.



MY MARYLAND  
See preceding page



CLOTHILDE SOUPERT

**NOTE** POT GROWN ROSES SHOULD NOT BE PLANTED OUT OF DOORS UNTIL ALL DANGER OF FROST IS PAST.



**RUGOSA ROSES**

These Japanese Roses form sturdy bushes 3 to 5 feet in height. They are perfectly hardy in the most trying places, standing well the hot sun and thriving in dry or sandy soils. The dark, rich leathery foliage is oddly wrinkled; the large fragrant single and semi-double flowers of both red, rose and white, are produced in profusion throughout the summer. In the autumn they are followed by orange-red and scarlet hips or seedpods. Rugosa is extremely useful in rough situations and shrubby borders, and we know of no rose that surpasses it.

**BLANCHE DOUBLE DE COUBERT.** A fine double sweet and pure white flowering variety, producing clusters of from 5 to 10 flowers. It is a vigorous rampant grower, very free blooming—almost perpetual flowering. Flowers measure nearly 5 inches across and are lasting.

**CONRAD F. MEYER.** Very vigorous and strong grower, the flowers which are beautiful in bud, are of clear silvery rose in color, very large and fragrant, superb foliage. Extra fine.

**MAD. G. BRUANT.** Blossoms in clusters. Semi-double pure white flowers. Fine for cemetery.

**NOVA ZEMBLA.** In this new variety we have all the characteristics which make the Rugosas so valuable and in addition beautiful pure white, full double flowers of fine form, both in bud and full bloom. Flowers are produced most freely. Perfectly hardy.

**SIR THOMAS LIPTON.** Color pure snow-white, 3-4 in. across and perfectly double. Flowers are very fragrant, borne on strong, upright stems all through the growing season.

Price. Above 5 kinds, strong 2-year-old bushes each 35c, 3 for \$1.00, dozen \$3.50, by express.

**RUGOSA ALBA.** Crowded with clusters of single pure white flowers, foliage dark green and glossy.

**RUGOSA RUBRA.** Identical with the above, except in the color, which is a beautiful red. Price: Above 2 kinds, strong 2-year-old bushes each 30c, doz \$3.00, per 100 \$20.00, by express.

**MOSS ROSES**

These require close pruning with liberal supply of manure. There is nothing more beautiful than a Moss Rose Bud. Being very sweet scented they are great favorites.

**BLANCHE MOREAU.** Best pure white large flowers produced in clusters.

**GLORY OF MOSSES.** Blush; very large and full.

**SALET.** Very free flowering and strong grower, color soft satin rose.

Price: 2-year dormant field-grown plants, each 35c, 3 for \$1.00, 12 for \$3.50, by express.

**TREE OR STANDARD ROSES**

These roses are grafted on Rugosa with 4 to 5 feet clear stem. We offer them in white, pink, red and crimson. Crimson Rambler Rose, grown to tree form, 3 feet clear stem, large bushy top.

Each \$1.50, 3 for \$3.00, 12 for \$7.50, by express.

**VARIOUS ROSES**

**CHINA ROSES,** for beds in the flower garden should be cultivated more extensively on account of the little trouble they give and the constant flowering period extending all summer and late into fall.

**BOURBON ROSES.** Valuable Autumn flowering class. Prune lightly.

**AUSTRIAN BRIAR.** These varieties flower on the previous year's growth only, in pruning merely thin out the wood, leaving remainder of shoots full length.

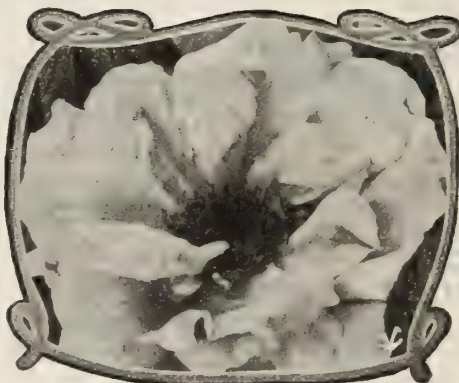
**WICHURAIANA HYBRID ROSES.** It is hard to conceive anything more appropriate, beautiful and enduring for covering graves and plots in cemeteries than the Hardy Memorial Roses. They creep along the ground as closely as an Ivy, growing ten feet in one season and forming a dense mat of very dark green, lustrous foliage. The flowers are produced in lavish profusion in July, fairly covering the plants, and have the strong fragrance of the Banksia Roses. They are also immensely valuable as Climbing Roses for covering ditches, fences, etc.

**EVERGREEN GEM (Wichuraiana).** New. A single plant, four years old covered a space of 240 square feet, with long shoots and completely covered the ground with its bright, glossy foliage, which is not only evergreen, but grows during mild weather in winter. Color creamy white, double and of a delicate sweet-briar fragrance.

Price: Strong 2-year-old plants each 35c, 3 for \$1.00, doz \$3.50, by express.



MOSS ROSE.



RUGOSA ROSE.



WICHURAIANA ROSE.

**VAUGHAN'S "ROSE GROWER" BONE MEAL**

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4 1/2 to 5 1/2 per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs 25c, 10 lbs 50c, 25 lbs 75c, 50 lbs \$1.25, 100 lbs \$2.25, 200 lbs \$3.90, 500 lbs \$9.00, 1,000 lbs \$17.00, 2,000 lbs \$34.00.

Quantity Required.—For top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

**VARIOUS ROSES—Continued**

**HERMOSA (China).** A grand old rose. There are many gardens in which it holds first place for full and frequent bloom. Flowers borne in clusters, clear bright pink, very double and one of the best.

Price: Strong 2-year-old plants each 30c, 3 for 80c, doz \$3.00, by express. Strong 2 1/2-inch pot plants each 15c, 3 for 40c, doz \$1.50, prepaid. Strong 4-inch pot plants each 30c, 3 for 80c, doz \$3.00, prepaid.

**JERSEY BEAUTY (Wichuraiana).** Very vigorous. Flowers produced singly and in clusters, 3 inches in diameter, pale yellow with clusters of bright yellow stamens, very fragrant.

Price: Strong 2-year-old plants each 30c, 3 for 80c, doz \$2.50, by express.

**MRS. DE GRAW (Bourbon).** A beautiful rose of rich, glossy coral pink, delightfully sweet-scented, compact growth, flowers in clusters, a remarkable prolific bloomer.

Price: Strong 2 1/2-inch pot plants each 15c, 3 for 40c, doz \$1.50, prepaid. Strong 4-inch plants each 30c, 3 for 80c, doz \$3.00, prepaid.

**PERLE DES BLANCHES (Bourbon).** Pure white, sometimes tinted blush; early, and blooms the whole season almost as constantly as the ever-bloomers.

Price: Strong 2-year-old plants each 35c, 3 for \$1.00, doz \$3.50, per 100 \$25.00, by express.

**PERSIAN YELLOW (Austrian Briar).** The Hardy Yellow rose of olden times. Deep golden yellow, semi-double and very hardy, suitable for planting in old-fashioned gardens and amongst shrubs, prune lightly as this variety flowers on the previous year's growth.

Price: Same as Perle des Blancs.

**PROVENCE (Cabbage or Common).** Vigorous grower, large and full, color rosy pink.

Price: 2-year-old plants each 30c, 3 for 80c, doz \$2.50, by express.

**RUBRIGINOSA (Sweet Briar).** See page 126.

**RUBRIFOLIA (Purple Leaved).** See page 126.

**SETIGERIA PRAIRIE ROSE.** Small single pink flowers and extra fine foliage, sometimes called the bramble leaved rose.

Price: 2-year-old plants each 35c, 3 for \$1.00, prepaid.

**SOLEIL D'OR, OR GOLDEN SUN (Austrian Briar).** A cross between "Persian Yellow" and "Antoine Ducher." It retains a good deal of the character of the former in the wood and bark, but the foliage is vastly improved, being large and very plentiful. The habit of the plant is robust, producing vigorous shoots in abundance, branches straight and of good size. The coloring of the flowers is very rich, a marvelously rich shade of chrome-yellow with a glint of coppery-rose in the center. The coloring in the fully expanded flower is gloriously superb. A Hardy Yellow Rose, one that is really hardy in the North in this country, has been the goal for which the worlds best hybridizers have been striving.

Price: Strong 2-year-old plants, field-grown, each 35c, 3 for \$1.00, doz \$3.50, per 100 \$25.00.

**SOUL DE LA MALMAISON (Bourbon).** The finest Bourbon rose sent out for many years. The color is lovely creamy flesh, with bright rose center elegantly shaded, constant bloomer and entirely hardy.

Price: Strong 2-year-old plants each 35c, 3 for \$1.00, doz \$3.50.

**SOUTH ORANGE PERFECTION (Wichuraiana).** Double flowers, soft blush pink at tips.

**UNIVERSAL FAVORITE (Wichuraiana).** Double flowers, soft blush pink at tips.

Price: Strong 2-year-old plants each 30c, 3 for 80c, doz \$2.50.

**Surprise Collection Garden Roses**

Our Selection of Sorts only.

From

inch Vari-

Plants, pots, ties.

S. R. C. No. 1. 13...4...12...\$ 2.50 by exp.

S. R. C. No. 2. 100...4...15... 16.00 by exp.

S. R. C. No. 3. 12...2...12... .75 by mail.

S. R. C. No. 4. 100...2...15... 5.00 by exp.

Collections No. 3 and No. 4 cannot be supplied after May 15th.

**VAUGHAN'S  
ROSE GROWER  
BONE MEAL  
MANUFACTURED FOR  
VAUGHAN'S  
SEED STORE**



## RAMBLER AND CLIMBING ROSES



NEW  
RAMBLER  
ROSE  
LADY GAY

In all the great strides made during former years in hybridizing and developing the rose, more perhaps has been done in the climbing section than in any other direction. For walls, trellis, arch, pillars and pergolas in any situation. For weeping and creeping, or as specimen bushes for facing, or fountains, one or the other variety can be selected in almost any shade of color required. The Polyantha class as standards for weeping are unequalled.

### NEW ROSE "TAUSENDSCHON"

Raised by several crossings between the well-known Crimson Rambler, Tea and Polyantha Roses. This beautiful novelty surpasses all other climbing roses of this section, both in growth, foliage and beauty of blooms. The flowers appear in large clusters from the beginning of June till the end of July. Each individual flower measures about 2 inches across and is of a beautiful soft pink, same color as Clothilde Soupert; later on changes into rose carmine. The plant is of strong, vigorous growth, absolutely hardy, and a most excellent variety to plant wherever a strong climber is desired. Very agreeable, as it is nearly thornless. Florists will do well to force this grand rose for Easter.

Price—Strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by express.

**BALTIMORE BELLE.** Your yard is not complete without this grand rose. Will grow 15 feet in one year, and be covered with clusters of large double flowers of a pale blush color.

Price—Strong 2-year dormant field plants, each 35c, 3 for \$1.00, 12 for \$3.50, by express.

**CELINE FORESTIER (Noisette).** This climbing and free-growing variety of pale yellow color, flowering in clusters, is a most useful variety for pillars and arches, and should receive more attention among our customers. Price, same as Baltimore Belle.

**CLIMBING CLOTHILDE SOUPERT.** It is a vigorous grower, forming canes 15 feet in one season, and covered with large clusters of flowers all summer. Flowers are large, double and a beautiful shell pink, forming the buds in clusters. Perfectly hardy and will stand any kind of weather. 4-inch pot plants, each 50c, 6 for \$2.00, by exp. Small plants, each 15c, 8 for \$1.00, prepaid.

**CLIMBING METEOR.** Flowers large and of that rich, dark, velvety color seen in the Jacqueminot, strong, well-rooted plants, each 15c, 6 for 50c; 4-inch pot plants, each 40c, doz \$4.00, by express.

### CRIMSON RAMBLER

Everybody knows this rose now, because none can help remembering it if ever a good plant in bloom meets the eye. The splendid trusses of thirty or forty flowers each, bright crimson and holding their color for 12 or 15 days, are very striking. The foliage contrasts finely with the blooms. We see this grand climber blooming against green walls of vines, twining in evergreens, made into hedges and borders for walls, and clustered at posts, along lawns or drives. Everywhere it is magnificent. Hardy everywhere. Strongest grower we have. Every garden should contain this grand rose.

Price—Strong 3-year dormant field plants, each 75c, 3 for \$2.10, 12 for \$8.00, by exp.; strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by exp.; strong 2½-in. pot plants, each 15c, 3 for 40c, 12 for \$1.50, prepaid; strong 4-in. pot plants, each 50c, 3 for \$1.30, 12 for \$5.00, prepaid.

### DOROTHY PERKINS. New Pink Rambler Rose

A good one. As hardy as Crimson Rambler and same habit of growth. The flowers are about 1½ inches across; are borne in clusters of from ten to thirty, and are very double; the petals are very prettily rolled back and crinkled. The color is a most beautiful shell pink and holds a long time without fading.

Strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by express; strong 2½-in. pot plants, each 15c, 3 for 40c, 12 for \$1.50; prepaid; strong 4-in. pot plants, each 50c, 3 for \$1.30, 12 for \$5.00, prepaid. Standards, 4 feet clear stems, each \$1.00.

**GRUSS AN ZABERN.** See White Rambler.

### HIAWATHA

This seedling, which attracts so much attention and evoked many favorable comments when exhibited for the first time, at the spring exhibition of the Massachusetts Horticultural Society, in March, 1902, is a distinct acquisition to the very popular Rambler class of Roses. It is a seedling from Crimson Rambler. The flowers are single and of a deep, intense crimson shade, with petals shading to a pure white at the base. The foliage is of a light glossy green. The remarkable beauty and the striking effect of a plant in full bloom must be seen to be thoroughly appreciated. Flowers very freely, and it is undoubtedly one of the best of the single roses now extant. It is an excellent plant for forcing, and is well suited for climbing or trailing. The plant is perfectly hardy, and the leaves and stems are very tough and less susceptible to the attacks of insects than any other rose in this popular class. Strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by exp.; Standards, 4 feet clear stems, each \$1.00.

### NEW RAMBLER ROSE "LADY GAY"

A seedling from the popular Crimson Rambler, which it resembles in habit and hardiness. The flowers are of a delicate cherry pink color, changing to a soft white. Rich glossy foliage. The effect of a plant in full bloom, with the combination of the soft white flower, the cherry pink buds, and the deep green foliage, is superb. The plant is a vigorous grower and perfectly hardy. The flowers are very numerous and of good size; they are also delicately perfumed. This is a rose of highest merit, equal in all ways, and in some superior to, the Crimson Rambler. This is a new color in a rose, which will endure. It forces well and made a grand display at the Boston Rose Show.

Price—Strong 3-year dormant field plants, each 75c, 3 for \$2.10, 12 for \$8.00, by exp.; strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by exp.; strong 2½-in. pot plants, each 15c, 3 for 40c, 12 for \$1.50, prepaid; strong 4-inch pot plants, each 50c, 3 for \$1.30, 12 for \$5.00, prepaid.

**MARECHAL NIEL.** A rose so famous as to hardly need a description here. The most beautiful large golden yellow grown, each 15c, 2 for 25c, 4-inch pot plants, each 40c, 3 for \$1.00, by exp.

**MRS. ROBERT PEARY.** The flowers are extra large, pure white and double. The most remarkable feature of this variety is that it blooms continuously the first year. Each 15c, 3 for 40c; 4-inch pot plants, each 40c, 3 for \$1.00, by exp.

**PHILADELPHIA CRIMSON RAMBLER.** This variety is a cross between Crimson Rambler and the hybrid rose Victor Hugo, and is identical in many respects with the Crimson Rambler except the color is brighter, deeper, and more intense, the flowers are perfectly double to the center, last longer in bloom and come into flower about 10 days after Crimson Rambler.

Price—Strong 2-year dormant field plants, each 50c, 3 for \$1.25, 12 for \$5.00, by exp.; strong 2½-inch pot plants, each 15c, 3 for 40c, 12 for \$1.50, prepaid; strong 4-inch pot plants, each 50c, 3 for \$1.30, 12 for \$5.00, prepaid.

**PRAIRIE QUEEN.** Color, bright red, changing as the flower opens to deep pink. Price—Strong 2-year dormant field plants, each 35c, 3 for \$1.00, 12 for \$3.50, by exp.

**TAUNUSBLUMCHEN.** Habit and flowers of this new rose are like those of Crimson Rambler, except it is a beautiful pink and quite fragrant. Price—Same as Prairie Queen.

**TRIAR.** A perfectly hardy perpetual blooming rambler rose. The flowers are double cream white with dark yellow stamens; clusters large, buds salmon rose. Continues to bloom until fall on the tips of the main and side branches. Two-year-old plants, each 50c, 3 for \$1.25, doz \$4.00, by exp.

**WHITE RAMBLER (Gruss an Zabern).** This is a much more desirable White Rambler Rose than Thalia, which we have discarded. The flowers are large, perfectly double and delightfully tea scented; color is rich creamy white. A vigorous grower and one of the most beautiful roses in existence. Price—2-year dormant field plants, each 35c, 3 for \$1.00, 12 for \$3.50, by exp.

**YELLOW RAMBLER (Aglia).** The flowers are borne in clusters, after the same manner as the Crimson Rambler. The color is a decided yellow. Price—2-year dormant field plants, each 50c, 3 for \$1.35, 12 for \$5.00, by exp.

## THREE NEW CLIMBING ROSES

**CLIMBING HERMOSA.** A climbing variety of this well-known hardy ever-blooming rose; the flowers are large, very double and very full; color, clear bright pink, and borne in great profusion. 2-year Dormant plants, 75c each.

**FLOWER OF FAIRFIELD.** Single China climbing rose of brilliant crimson; base of petals white; flowering perpetually in great profusion a summer until frost. Price each, 2½-inch pots, 25c, 3½-inch pots, 50c. 2-year Dormant plants, 75c each.

**NEW RAMBLER "NEWPORT FAIRY."** A fine novelty of exceptional merit. "Newport Fairy" possesses the following good habits: Strong, sturdy grower, ever-blooming, good substance and perfectly hardy single flower. Color, beautiful light pink with white center. It is without doubt, the finest of all recent introductions. Price each, 2½-inch pots, 30c.



# BEAUTIFUL HARDY CLIMBING VINES

## The Japan or Boston Ivy [*Ampelopsis Veitchii*]

The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or wood. The glossy leaves assume in the autumn the most beautiful tints of scarlet and crimson. The handsomest vine possible for growth on house walls, especially the foundation and the first story, around the doors and windows. Entirely hardy except in extreme north.

### PRICES. By Mail Postpaid.

1 year old, each 15c; 3 for \$0.40; doz., \$1.20  
2 year old, each, 25c; 3 for .60; doz., 2.25.  
3 year old, each, 40c; 3 for 1.00; doz., 3.50.

### By Express, Not Prepaid.

1 year old, doz., \$1.00.  
2 year old, doz., 2.00.  
3 year old, doz., 3.00.

**AMPELOPSIS DUMETORUM LACINIATA.** A vigorous sort, leaves digitate and deeply cut. 1 year old plants, each 35c.

**AMPELOPSIS ELEGANS.** The leaves are variegated white and green, making a very handsome vine. Has the same habit as *Veitchii*. Strong plants, each, 50c; doz \$5.00. By express.

**AMPELOPSIS ENGELMANNI (Engelman's Ivy).** One of the hardiest, best and quickest growing climbers for the North and Northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early Fall, and almost perfectly free from insects. The leaves color up beautifully in the fall. 2 year old, 25c; 3 year, 35c; 4 year, 50c each.

**AMPELOPSIS LOWII.** A beautiful new *Ampelopsis* with small palmate leaves, and of a delightfully graceful habit. It is perfectly hardy and clings closely, the apple-green foliage going red, as does *A. Veitchii* as Autumn advances. Plants from 2½ inch pots, each 50c.

**AMPELOPSIS MURALIS.** Foliage similar to *Quinquefolia*; strong, rapid grower, clinging to walls without support; stand the hardest winters. Strong 3 year old plants, each 35c.

**AMPELOPSIS QUINQUEFOLIA (Virginia Creeper).** Luxuriant in growth, with handsome foliage turning to bright crimson in the Fall. Very hardy vine for covering old tree trunks, walls or fences. Strong plants, 2 year, each 25c, doz \$2.50. Extra strong, 3 year, each 35c, doz \$3.50, by express.

**AMPELOPSIS ROBUSTA PURPUREA, new.** Of strong and vigorous growth. The foliage is somewhat different from the regular Boston Ivy, the leaves being of a blue purple with a shining gloss finish. It will make double the growth of the *Veitchii* and is just as hardy. 2 year old dormant plants, each 50c, doz \$5.00, by express.

**ACTINIDIA POLYGAMA, Silver Vine.** A new, hardy climber of remarkable beauty, from Japan. The heart-shaped foliage on the ends of the flowering shoots is of a silvery white color and resembles *Lily of the Valley* in fragrance. The growth is rapid and vigorous. 3 year old plants, each 50c, 6 for \$2.50, 12 for \$4.00, by express.

**AKEBIA VINE.** A beautiful, hardy climbing vine. It often grows 15 feet in a year and produces in early summer large clusters of fragrant rosy purple flowers, resembling *Forget-me-nots*. Large vines, 3 years old, 35c, 4 years old, 50c.

## Large Flowering Clematis

The Large-Flowered Clematis are the most beautiful of all our Flowering Vines. The flowers are large, often measuring four to six inches across and are borne in great wreaths and clusters during July and August. The colors are rich, royal purple, wine color and pearly-white. The vines are of slender, wiry growth and require some support that they can twine around, like a rod, pole or wire, and if the location is somewhat moist and partially shaded so much the better. The north side of house or porch with partial sun is a good spot. Hardy, but it is best to mulch them in winter.

**BEAUTY OF WORCESTER.** New. A magnificent sort with enormous flowers of magnificent clear sky-blue, contrasting strikingly with the cluster of pure white stamens.

**DUCHESS OF EDINBURGH.** One of the best double whites, of vigorous habit, very free of bloom and deliciously fragrant.

**GYPSY QUEEN.** A rich, dark, velvety purple; a rank grower and a free bloomer. A very attractive and curious variety.

**HENRYI (Bangholm Belle).** Strong grower, flowers always eight-sepaled 4 to 6 in. in diameter, and pure white. Very hardy.

**JACKMANNI.** This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in Spring.

**MISS BATEMAN.** Pure white, with chocolate anthers. Commences to bloom as soon as its leaves start in May.

**NELLIE MOSER.** Large flower, beautiful white with red stripes.

**MADAME BARON VIELLARD.** Light rose, lilac shadings. Much admired

**SIEBOLDI.** Flowers of large size. A beautiful light blue in color. Strong grower. One of the best.

**VILLE DE LYON.** Its blooming capacity is great and the flowers are of the most magnificent brilliant crimson; they are large and of beautiful circular form.

**Prices—Extra Size Plants for Immediate Effect.** Many of our customers desiring immediate effect prefer this stock which we import from the best nurseries in Europe. Price, strong 2-year-old plants, each 50c, doz \$5.00 prepaid. Extra Strong, 3-year-old plants, 75c, doz \$8.00, by express, not prepaid.

Plant in good garden soil, dug very deep, placing the crown of the roots ¾ inches below the surface of the soil. Apply well-rotted manure in post holes bored 12 in. away from the plant in opposite directions. The feeding roots reach out to these holes, which may be watered freely, with better success than when the manure is applied directly to the base of the plants.

We send out healthy stock of this class of plants and cannot entertain any complaints on account of them not growing.



JAPAN OR BOSTON IVY. (*Ampelopsis Veitchii*)

**APIOS TUBEROSA.** A hardy tuberous-rooted climber, resembling in miniature the common *Wistaria* in vine and foliage, and having clusters of rich, deep purple flowers, which have a strong, delicious violet fragrance. Each 5c, doz 45c, postpaid.

**ARISTOLOCHIA SIPHO (Dutchman's Pipe).** Very hardy, strong growing vine, with large, peculiar heart-shaped leaves. Curious pipe-shaped flowers of yellowish brown. 2 years old, 25c each.

**BIGNONIA RADICANS. Trumpet Vine.** Dark red orange throat, free blooming. Very hardy and rapid grower. Useful for covering unsightly places, stumps; or wherever a showy flowering vine is desired it will be found useful. 2 year, each 20c, doz \$2.25; 3 year old, each 35c, doz \$3.50; 4 year old, each 50c, doz \$5.00, by express.

**BIGNONIA GRANDIFLORA.** This is an improvement on *Radicans*, but not as vigorous and hardy. The flowers are very large, trumpet-shape, of orange scarlet. 2 year old plants, each 40c.

**CELASTRUS SCANDENS (Climbing Bitter Sweet).** A native climbing or twining plant, with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn; very lasting for decorative use. Strong 3 year old vines, each 35c, 3 for \$1.00, by express.

**CINNAMON VINE.** A rapid-growing climber, taking its name from the peculiar fragrance of the delicate white flowers. The leaves are heart shaped, bright glossy-green; growth is very rapid, often running 25 to 40 feet; quite hardy. Good roots. Each 5c, doz 50c. Extra large roots. Each 10c, doz \$1.00.



LARGE FLOWERING CLEMATIS.



# HARDY CLIMBERS

## JAPANESE CLEMATIS *Clematis Paniculata*

This is by far the best of all the Clematis of the small flowered class. A vine of very rapid growth, quickly covering trellises and arbors with handsome, clean, glossy foliage, which is of that healthy green color that so few of this class of plants possess. The flowers are pure white, borne in immense sheets, almost completely hiding the foliage, and of a most delicious fragrance. It flowers in September, when few other vines are in bloom. The extreme rapidity of growth, the showy foliage, beautiful, fragrant flowers and hardiness serve to make this one of the very choicest of hardy climbers.

By mail postpaid.			PRICES		By express, not prepaid.		
Each	Three	Dozen	Age	Each	Three	Dozen	100
\$0.20	\$0.50	\$1.70	1-year	\$0.15	\$0.40	\$1.50	\$10.00
.30	.80	3.00	2-year	.25	.65	2.50	15.00
.50	1.40	5.50	3-year	.40	1.10	4.25	25.00
.90	2.50		4-year	.75	2.00	7.75	

## CLEMATIS COCCINEA HYBRIDS

An entirely distinct type of Clematis, the result of crosses between *C. coccinea* and *Star of India*, combining all the good points of their parents in hardiness, vigorous, robust growth and freedom of bloom, which, together with their novel coloring and shape, make them valuable additions to the list of hardy climbers.

**COUNTRESS OF ONSLOW.** Bright violet-purple, with a broad band of scarlet through the center of each petal.

**DUCHESS OF ALBANY.** A beautiful bright pink; deeper down the center.

**DUCHESS OF YORK.** A delicate and pleasing shade of pale pink.

**GRACE DARLING.** A delicate hue of bright, rosy carmine.

Strong plants, each 60c, 3 for \$1.60.

## CLEMATIS

**COCCINEA.** Bell-shaped flowers, bright coral red; blooms from June until frost. Each 20c, 3 for 50c, 12 for \$1.50, by express.

**CRISPA.** Fine, deep blue, with a white border and deliciously fragrant. Each 20c, 3 for 50c, 12 for \$1.50, by express.

**FLAMMULA.** Sweet Clematis. A vigorous climber with slender stems, attaining a height of 10 to 15 feet. Native of Europe. Leaves compound, dark green, persisting until early winter. Flowers white, in numerous showy panicles, in late summer or early autumn. Fruiting heads white and plumose. A very handsome vine, requiring a sunny position. Strong plants each 50c.

## CLEMATIS INTEGRIFOLIA DURANDI

A recent introduction of more than usual interest and merit. A cross between the small herbaceous *C. integrifolia* and *C. Jackmani*; of semi-climbing habit, growing from four to five feet high and producing without intermission from June until late in fall, showy steel-blue flowers 3 to 3½ inches in diameter. Each 60c, doz \$6.50.

## HONEYSUCKLES

**SWEET SCENTED MONTHLY (Belgica).** One of the most satisfactory of Honeysuckles, producing continuously large trusses of red and yellow fragrant flowers.

**JAPAN GOLDEN-LEAVED (Aurea Reticulata).** Variegated yellow and green foliage, yellowish-white flowers.

**FUCHSIODES.** Scarlet Flowers. Fuchsia-like in appearance.

**GIGANTEA SUPERBA.** Of rapid and luxuriant growth. Flowers are borne in large clusters, sulphur yellow turning to cream, white, very free. Each 75c.

**HALLEANA (Halls Japan).** Almost evergreen sort, flowers pure white, changing to yellow. July to November.

**NEW SWEET SCENTED "HECKROTTEL."** Remarkable for the large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season.

**CHINESE TWINING.** Remarkable on account of retaining its beautiful glossy foliage most all winter and covered with sweet yellowish-white flowers most all summer.

**SCARLET TRUMPET OR CORAL.** (Sempervirens.) Very strong, rapid grower, with beautiful scarlet flowers.

**PRICE,** except where noted. Heavy 3-year-old vines, each 50c, 3 for \$1.35, 12 for \$5.25, by express. Strong 2-year-old vines, each 35c, 3 for \$1.00, 12 for \$3.75, by express.

## HOP VINE (*Humulus Lupulus*)

**COMMON.** A useful climber for covering unsightly places. Each 10c, doz 85c, 100 \$6.00, postpaid.

## KUDZU VINE (*Pueraria Thunbergiana*) or Jack-and-the-Bean-Stalk Vine

The most remarkable climber extant. In rich soil will grow 70 feet in one season. Starts into growth slowly, but after three or four weeks grows almost beyond belief. Leaves in shape like Lima Bean; dark green; texture, soft and woolly. Fine for porches, arbors, old trees, etc. Each 25c, 3 for 65c, doz \$2.50.

**LATHYRUS (Hardy Everlasting Pea).** See Hardy Plants

## MATRIMONY VINE (*Lycium*)

Well-known, hardy, fast growing vine; handsome when covered with scarlet fruit in autumn. Strong 2-year-old plants, each 35c, 4 for \$1.00, by express.



Japanese Clematis (*C. Paniculata*)

## PERIPLOCA GRAECA (Silk Vine)

Native of Southern Europe. A rapid growing beautiful climber. Will twine around a tree or other support to the height of 30 to 40 feet. Foliage glossy, and purple brown axillary clusters of flowers. Strong vines, 3 years old. Each 35c, 3 for \$1.00, doz \$3.50, all by express.

## VITIS (Wild Grape Vine)

All Grapes are indispensable vines of many uses. Their large, handsome leaves and showy fruit, as well as fragrant flowers, combine to give them a place filled by no other vines. Of great hardiness and usually high climbers, they can be used for arbors, walls and trellises, and particularly for covering dead or growing trees. They stand the smoke and soot of cities well.

We have fine, cultivated vines of these rapid growing, hardy climbers, well suited to the covering of tree stumps, arbors, etc. Each 30c, 3 for 65c, doz \$3.00, by express.

**VITIS HETEROPHYLLA.** Of Japanese origin and of the greatest value for arbors, walls, trellises or woodland. The long clusters of white or blue-tinged fruit hang through the winter. Foliage of light green, each leaf being delicately incised, or cut. 1 year each 35c, 3 year each 75c.

## WISTARIA

**ALBA.** Flowers white, in drooping racemes. Large plants 3 years old 75c, by express.

**MAGNIFICA.** Clusters of purple-lilac flowers. Price 2-year 35c, 3-year 50c, 4-year 75c each.

**SPECIAL OFFER NO. 454.** Twelve Hardy Climbing Vines, all different, all labeled. Our selection 2-year-old, for \$3.50, our selection 3-year-old, for \$5.00, by express.



WISTARIA



JACK-AND-THE-BEAN-STALK VINE



# VAUGHAN'S HARDY PERENNIAL PLANTS

The love for *Hardy Perennial Flowers* has of late years increased in a very great degree, and we cannot recommend them too highly to our customers for subjects to plant in Borders, Shrubbery, Naturalizing, Wild Garden and Rock Garden, along carriage drives, around lakes and ponds, and last but not least for their value as cut flowers, as they supply the table from early Spring to Fall.

The difference in cost of planting hardy flowers and tender plants that perish every year should be considered, especially where large portions of ground have to be filled to improve the Landscape.

It is possible in these days, to make a Flower Garden entirely of these grand subjects, as varieties can be found to suit all soils and climates, and the best way to make gardens return a good share of pleasure is to plant permanent subjects, and these can be found in the following pages.

Perennials have become a necessity in beautifying large and small estates alike. We carry a large stock of these old-fashioned garden flowers, and have this season added some new varieties of sterling merit.

We would call special attention to the following new, rare, or little known kinds and varieties: *Aconitum Wilsoni*, *Anchusa Italica* Dropmore Variety, *Anthericum Liliastrum Giganteum*, *Aster Beauty of Colwall*, *Aster St. Egwin*, *Astilbe Davidii*, *Delphinium King of Delphiniums*, and *Mrs. Thompson*; *Funkia Cuculata Medio Picta*,



and *Thos. Hogg*; *Iris*, *Maori King*, *Pallida Dalmatica* and *Orientalis Snow Queen* and *Yale Blue*, *Lathyrus White Pearl*, *Lupinus Moerheimi*, *Phlox*, *Flora Hornung*, *Fraulein Von Lassburg*, *General Von Heutz*, *G. A. Strohlein*, *Gruppen Koenigin*, *Matador* and *Von Hochberg*; *Poppy Mary Studholme Mahony*, *Oriental King* and *Princess Victoria Louise*; *Rudbeckia Rays of Gold*; *Spiraea Aruncus Kneiffi*; *Stenanthium Robustum*; *Trollius*.

Regarding	Where price per "each" is 15c, we furnish . . . 3 for 40c
Prices	Where price per "each" is 20c, we furnish . . . 3 for 50c
	Where price per "each" is 25c, we furnish . . . 3 for 65c

All orders are forwarded upon receipt, unless otherwise instructed to the contrary. Customers will kindly state at the time of ordering when goods are to be shipped.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each	Per doz.	Use, Soil, Position, Etc.
<b>ACANTHUS</b>							Picturesque foliage plants, very ornamental on lawns, in sub-tropical gardens, flower beds and borders. They require shade to develop their full size.
<i>Latifolius</i>	Bear's Breech	Aug. & Sept.	Purplish Rose	2 ft	25c	\$2 50	
<b>ACHILLEA</b>							Achilleas are of easy culture and grow in any good garden soil. They are useful for wild garden or shrubbery. Also cutting, especially Elegans.
<i>Millefolium Roseum</i>	Rosy Milfoil	All Summer	Pink	8 in	15c	1 50	
<i>Elegans</i>	White Milfoil	All Summer	Pure White	2 ft	15c	1 50	
<i>Eupatorium</i>	Yellow Milfoil	All Summer	Yellow	4-5 ft.	15c	1 50	
<b>ACONITUM</b>							Erect growing plants, with palmately divided foliage; good for under trees or shady places, where they thrive best. The roots are poisonous. The <i>Wilsoni</i> variety is a novelty recently introduced from China. The graceful flower spikes attain a height of about 6 feet, and produce many fine pale blue or violet flowers. It blooms from the beginning of September until the end of October.
<i>Autumnale</i>	Monkshood or Helmet Flower	September	Deep Purplish Blue	2½ ft	20c	2 00	
<i>Napellus</i>	"	Aug. and Sept.	Dark Blue	2½ ft	20c	2 00	
<i>Napellus Album</i>	"	Aug. and Sept.	White	2½ ft	20c	2 00	
<i>Napellus Bicolor</i>	"	Aug. and Sept.	Blue and White	2½ ft	20c	2 00	
<i>Wilsoni</i>	"	Sept.-Oct.	Pale Blue or Violet	6 ft	20c	2 50	
<b>ACTAEA</b>							A native plant, with long, feathery racemes; require a shady place. The flowers are followed by clusters of black berries.
<i>Japonica</i>	Baneberry	Sept. and Oct.	White	2½ ft	20c	2 00	
<b>ADENOPHORA</b>							Flowers like a miniature Canterbury Bell; erect stems useful for cutting.
<i>Potantial</i>	Gland Bellflower	July to Sept.	Light Blue	18 in	15c	1 50	
<b>ALYSSUM</b>							Showy spring flowering plants. Valuable for front row in border or rock garden. The double variety is a special favorite.
<i>Saxatile Compactum</i>	Gold Dust	May and June	Golden Yellow	1 ft.	15c	1 50	
<i>Saxatile fl. pl. Double</i>	"	"	"	"	20c	2 00	
<b>ANCHUSA</b>							Forget-Me-Not like, blue flowers, borne in great profusion. Dropmore variety is new and one of the best blue Perennials coming into bloom before the Delphiniums.
<i>Augustifolia</i>	Cape Forget-Me-Not	May and June	Dark Blue	3-4 ft	15c	1 50	
<i>Italica Dropmore Variety (new)</i>	"	May and June	Blue	5-6 ft	30c	3 00	
<b>ANEMONE</b>							The Japanese varieties are valuable for cut flowers in fall, when other flowers are scarce. They require good, rich soil; can be planted in clumps or solid beds. The <i>Sylvestris</i> type are fine for shade or for naturalizing amongst trees. They should be given a sunny position.
<b>Japanese Varieties:</b>							
<i>Honorine Jobert</i>	"	Aug.-Nov.	Snow White	2-3 ft	15c	1 50	
<i>Prince Henry</i>	"	Aug.-Nov.	Dark Red	2-3 ft	20c	2 00	
<i>Queen Charlotte</i>	"	Aug.-Nov.	Double Pink	2-3 ft	15c	1 50	
<i>Whirlwind</i>	"	Aug.-Nov.	Double White	2-3 ft	15c	1 50	
<i>Rosea Superba</i>	"	Aug.-Nov.	Rose	2-3 ft	15c	1 50	
<i>Rubra</i>	"	Aug.-Nov.	Red	2-3 ft	15c	1 50	
<i>Sylvestris fl. pl.</i>	Snowdrop Windflower	May-June	Double White	6-8 in	20c	2 00	
<i>Sylvestris</i>	"	May-June	Single White	6-8 in	15c	1 50	





## ANEMONE JAPONICA

## HARDY ASTERS

## AQUILEGIA, or COLUMBINE

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.
<b>ANTHERICUM</b>	St. Bruno's Lily.					
<i>Lillastrum Major</i> .....	"	May to June.....	White	2 ft.	10c	\$1.00
<i>Lillastrum Giganteum</i> .....	"	"	"	3 ft.	30c	3.00

Graceful Lily-like plants, will succeed well in shade, rich, sandy soil and moisture. Should be planted in masses to give a good effect.

<b>AQUILEGIA</b>	Columbine	June-Aug.				
<i>Chrysantha</i> .....	Spurred	"	Golden Yellow	3 ft.	15c	1.50
<i>Chrysantha Alba</i> .....	Spurred	"	Pure White	2 ft.	15c	1.50
<i>Canadensis</i> .....	"	"	Red & Yellow	2 ft.	15c	1.50
<i>Coerulea</i> .....	Spurred	"	True Blue	1 ft.	15c	1.50
<i>Coerulea Hybrida</i> .....	Spurred	"	Mixed	1 ft.	15c	1.50
<i>Glandulosa Vera</i> .....	"	June	Bright Lilac Blue	1 to 2 ft.	25c	2.50
<i>Nivea Grandiflora</i> .....	"	"	White	2 ft.	15c	1.50
<i>Vulgaris Alba fl. pl.</i> .....	"	"	Double White	2 ft.	15c	1.50
<i>Vervaeana</i> .....	"	"	Double Violet	2 1/2 ft.	15c	1.50
<i>Rose Queen</i> .....	Spurred	"	Light Rose & Yellow Antlers	1 to 1 1/2 ft.	25c	2.50

Columbines are one of the old favorite, hardy plants and will succeed well in sun or shade, preferring a sandy loam. They are fine for cut flowers or naturalizing. Planted amongst hardy ferns they make a pretty border. They are worthy of extensive culture, especially the spurred varieties and Rose Queen, a beautiful new variety.

Beloit, Wis.—"I received the plant and seeds yesterday and I wish to thank you for the careful way in which they were packed. I am certainly well pleased with them, and in the future whatever I need, will order from Vaughan's Seed Store."

HERMAN MEUNIER.

## ARUNDO DONAX..... (See Ornamental) Grasses

<b>ARABIS Alpina</b> .....	Rock Cress	Apr. and May	White	6 in.	15c	1.50
<i>Alpina, fl. pl.</i> .....	"	"	"	6 in.	15c	1.50
<i>Grandiflora Superba</i> .....	"	"	"	6 in.	20c	2.00

Arabis thrive well in a hot, dry situation and make a good covering for walls or rock garden, also front row in hardy border. They come into bloom very early and can be planted in beds filled with Hyacinths and Tulips in Fall.

<b>ARMERIA</b>	Thrift					
<i>Lauchiana Splendens</i> .....	"	June	Red	9 in.	20c	2.00
<i>Maritima</i> .....	"	"	Rosy Pink	14 in.	15c	1.50

Armeria require a good drained loam. A good plant for front of border, graves or rockery. Dwarf compact, evergreen foliage.

<b>ARTEMESIA</b>	Southern Wood					
<i>Abrotanum</i> .....	or Old Man	"		2-3 ft.	15c	1.50

Shrub-like plant with finely cut aromatic leaves. Dry and poor soil; useful for mixing with cut flowers.

<b>ASCLEPIAS</b>						
<i>Tuberosa</i> .....	Milk-Weed	June-Aug.	Bright Orange	2 ft.	15c	\$1.50

Requires good, deep soil and full sun. Fine for cutting; should be in every collection on account of its splendid color.

<b>ASPERULA</b>						
<i>Adorata</i> .....	Sweet Woodruff	May	White	6 in.	25c	2.50
	Michaelmas Daisy					
<b>ASTERS Hardy</b> .....	or Starworts					

Waldmeister is used for May Wine. Creeping plant with hay-scented leaves; suitable for planting in shade, shrubbery or woodland.

<i>Acris</i> .....		Aug. to Oct.	Soft Blue	4 ft.	15c	1.50
<i>Alpinus Himalaicus</i> .....		June	Pale Violet	4 in.	20c	2.00
<i>Alpinus Superbus</i> .....		May to Aug.	Blue	7 in.	15c	1.50
<i>Amellus Perry's Favorite</i> .....		Aug. to Sept.	Red	3-4 ft.	20c	2.00
<i>Amellus Preziosa</i> .....	New	August	Deep Blue	3-4 ft.	20c	2.00
<i>Amellus Roseus</i> .....		Aug. to Sept.	Dark Rose	2 ft.	25c	2.50
<i>Beauty of Colwell</i> .....	New	Sept. to Oct.	Dbles. Lavender	4 ft.	60c	7.00
<i>Cordifolius</i> .....		Sept.	Blue	4 ft.	15c	1.50
<i>Diplostaphoides Leichtlini</i> New		May	Dark Blue	3 ft.	20c	2.00
<i>Grandiflorus</i> .....	New	July to Aug.	Lge. Dk. Blue	1 1/2 ft.	25c	2.50
<i>Ibericus Ultramarine</i> .....	New	Aug.-Sept.	Very Dk. Blue	2 ft.	30c	3.20
<i>Laevis Pulcherrimus</i> .....		Sept. to Oct.	Pale Lilac	5 ft.	30c	3.20
<i>Mesa Grande Speciosa Grdf.</i> New		July to Aug.	Dark Blue	2 ft.	25c	2.50
<i>Nova Belgiae Glory de Nancy</i> .....		Sept. to Oct.	White	30 in.	15c	1.50
<i>Ryecroft Pink</i> .....		Sept. to Oct.	Rosy Carmine	4 ft.	20c	2.20
<i>Sub-Coeruleus</i> .....		June to July	Bluish Violet	1 ft.	25c	2.50
<i>St. Eglw</i> .....		August	Pure Pink	3 ft.	30c	3.20
<i>Thompsoni Nana</i> .....	New Scarce	July to Nov.	Soft Blue	18 in.	35c	4.00
<i>White Dwarf Queen</i> .....		Sept.-Oct.	Large White	3 ft.	15c	1.50

Will grow in any ordinary garden soil. The kinds we offer are distinct and good. They are useful for effect in borders, shrubberies, and hiding back walls and fences. Nor must they be forgotten as a cut-flower coming into bloom late when most flowers are scarce and lasting a long time in water. It is possible to make a permanent bed by good arrangement of height and color.

We call special attention to the following varieties: Amellus Preziosa, Beauty of Colwell, the first good double blue, Ibericus Ultramarine, Ryecroft Pink and Thompsoni Nana

Lake Haronis, Paynesville, Minn.—"We received the plants all safely and I want to say, you did splendidly for us. They came in splendid condition, to the right station and on the very day we wanted them, for which many thanks."

L. BRIGGS.



**BLEEDING HEART (Dielytra)****CAMPANULA PERSICIFOLIA GRANDIFLORA****CHRYSANTHEMUM MAXIMUM**

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.	Use, Soil, Position, Etc.
<b>ASTILBE</b>							Spiraea like flowers, good for partial shady places. very effective border plants. <i>Davidii</i> , the new pink flowering species is an important addition to Hardy plants.
<i>Davidii</i> .....	Goat's Beard.....	July to Aug.....	Deep Rose Pink.....	4 to 5 ft..	25c	\$2.50	
<i>Lemoine's New Rose</i> .....	.....	July to Aug.....	Soft Rose.....	2 to 3 ft..	20c	2.00	
<i>Mt. Blanc</i> .....	.....	July to Aug.....	Clear White.....	3 ft.....	25c	2.50	
<b>BAPTISIA</b>							Strong growing plant; suitable for specimen in border, forming a hedge; dark green foliage deeply cut, requires full sun and deep loam.
<i>Australis</i> .....	False Indigo.....	June and July.....	Dark Blue.....	2½ ft.....	15c	1.50	
<b>BLEEDING HEART</b> See <i>Dielytra</i> ..... May and June..... Pink..... 2½ ft..... 15c 1.50							Fine for specimen on the lawn or shrubbery, will thrive in any soil and open situation, handsome foliage and flowers.
<b>BOCCONIA</b>							
<i>Cordata</i> .....	Plume Poppy.....	July & Aug.....	Creamy White.....	7 ft.....	15c	1.50	These Aster-like hardy plants are useful for cutting, especially the <i>Latisquama</i> type remaining in bloom a long time, require good rich soil and an open situation in border or shrubbery.
<b>BOLTONIA</b> 1000 to 1 Aster.....							
<i>Asteroides</i> .....	.....	July to Oct.....	White.....	4 ft.....	15c	1.50	
<i>Latisquama</i> .....	False Camomile.....	".....	Pink.....	3 ft.....	15c	1.50	
<b>BUPHTHALMIUM</b>							Free blooming perennial bearing star-shaped flowers borne in great profusion, open border, sandy loam.
<i>Cordifolium</i> .....	Ox-Eye.....	".....	Yellow, Star Shaped.....	.....	15c	1.50	
<b>CALIMERIS</b> Pale Lavender.							Very free blooming Aster-like flowers produced all summer; any soil and open border suits this compact growing and attractive plant.
<i>Incisa</i> .....	Star Wort.....	July to Sept.....	Yellow Centre.....	1 to 1½ ft.	15c	1.50	
<b>CAMPANULA</b> Bell Flower.....							This genus of hardy garden flowers comprises varieties of both tall and dwarf growth, the former are valuable as cut flowers, and for pot culture, especially the Canterbury Bells, the dwarf kinds can be used with advantage in the front row of border, rockery, window boxes. They are of easy culture and thrive in any good garden soil. <i>Moerheimi</i> is a splendid variety and worthy of a place in any garden.
<i>Carpatula</i> .....	Harebell.....	June-Aug.....	Blue.....	8 in.....	15c	1.50	
<i>Carpatula Alba</i> .....	.....	".....	White.....	8 in.....	15c	1.50	
<i>Calycanthemum</i> .....	Cup & Saucer.....	".....	Mixed.....	2 ft.....	15c	1.50	
<i>Medium</i> .....	Canterbury Bells.....	".....	Mixed.....	2 ft.....	15c	1.50	
<i>Double</i> .....	.....	".....	Mixed.....	2 ft.....	15c	1.50	
<i>Single White</i> .....	.....	".....	White.....	2 ft.....	15c	1.50	
<i>Turbinata Isabel</i> .....	.....	".....	Deep Blue.....	4 ft.....	25c	2.50	
<i>Lactiflora</i> .....	.....	".....	White, Tinted blue.....	3 ft.....	15c	1.50	
<i>Persicifolia Alba</i> .....	Peach Bells.....	".....	Pure White.....	2 ft.....	15c	1.50	
<i>Persicifolia Coerulea</i> .....	.....	Sept.....	Blue.....	4 ft.....	15c	1.50	
<i>Persicifolia Humosa</i> .....	.....	May-Sept.....	Dble. Blue.....	2 ft.....	25c	2.50	
<i>Persicifolia Moerheimi</i> .....	.....	".....	Dble. White.....	2 ft.....	25c	2.50	
<i>Pyramidalis</i> .....	Chimney.....	Sept.....	Blue.....	4 ft.....	20c	2.00	
<i>Pyramidalis Alba</i> .....	Bellflower.....	".....	Pure White.....	4 ft.....	15c	1.50	
.....	Clustered.....	.....	.....	.....	.....	.....	
<i>Glomerata Acaulis</i> .....	Bellflower.....	June-Aug.....	Dark Blue.....	12 in.....	15c	1.50	
<i>Macrantha</i> .....	.....	".....	Blue.....	2 ft.....	15c	1.50	
<b>CATANANCHE</b>							
<i>Coerulea</i> .....	Cupid's Dart.....	July-Aug.....	Blue.....	2 ft.....	15c	1.50	
<i>Alba</i> .....	.....	".....	White.....	2 ft.....	15c	1.50	
<b>CENTAUREA</b> Hardheads or.....							Good border plants bearing thistle-shaped flowers of value for cut flowers, which last a long time in water; will grow in any soil. <i>Macrocephala</i> succeeds well in shrubbery.
<i>Montana</i> .....	Knap Weed.....	July-Sept.....	Blue.....	18 in.....	15c	1.50	
<i>Montana Alba</i> .....	.....	".....	Pure White.....	18 in.....	15c	1.50	
<i>Ruthenica</i> .....	.....	July & Sept.....	Pale Yellow.....	3 ft.....	15c	1.50	
.....	Hardy Sweet.....	.....	.....	.....	.....	.....	
<i>Macrocephala</i> .....	Sultan.....	July.....	Yellow.....	3-5 ft.....	15c	1.50	
<b>CENTRANTHUS</b>							
<i>Ruber</i> .....	Jupiter's Beard or Red Valerian.....	May-Aug.....	Deep Red.....	2-3 ft.....	15c	1.50	
<b>CERASTIUM</b>							Silvery foliage, fine for graves, steep banks and dry places; also formal gardens.
<i>Tomentosum</i> .....	Snow In Summer.....	May.....	White.....	8 in.....	15c	1.50	
<b>CHELONE</b>							Erect, stiff-growing, stately perennials for borders or shrubbery; any good, deep soil that is rich suits their requirements.
<i>Lyonii</i> .....	Shell Flower.....	June.....	Deep Pink.....	2 ft.....	25c	2.50	
<i>Hybrids</i> .....	.....	".....	Mixed.....	2 ft.....	25c	2.50	



## CHRYSANTHEMUM

### (Moonpenny Daisy)

Hardy border plants resembling the Shasta Daisy, but with stiffer stems and larger flowers, much recommended for borders and cut flowers. Good, rich soil and plenty of water during dry periods will produce the best results. Blooming time, July to September. Height, 2 to 3 feet.

**Maximum** Flowers 3 to 4 inches across; pure white with yellow centers. Each 15c, doz \$1.50.

**Maximum Robinsoni** Remarkable for its freedom of growth and lovely white flowers, many of the petals being beautifully fringed, July-Sept. Each 25c, 3 for 60c, doz \$2.00.

**Maximum Larsoni** Our new seedling. A strong, dwarf grower, type of Robinsoni, but semi-double; blooms earlier than Maximum; very desirable. Each 33c, doz \$3.75.

**Maximum "North Star"** A very free-flowering plant, producing an abundance of flowers. The flowers measure  $3\frac{1}{4}$  to 4 inches in diameter, with double row of petals. Flowers are borne on stems  $2\frac{1}{2}$  to 3 feet long and last over a week when cut. Each 15c, 3 for 40c, doz \$1.50.

### Hardy Pompon Chrysanthemum

These universal and popular varieties are becoming better known and more cultivated each year and should find a place in every garden. The varieties we offer are good standard sorts and will stand the Winter if planted in a good, rich, well-drained soil, giving a slight covering of leaves or light litter in the Fall.

As cut flowers they cannot be surpassed, coming at a season when all flowers are scarce (September and October into November), and lasting until severe weather sets in.



COREOPSIS LANCEOLTA



DELPHINIUM

Any of the following, Each 15c, 3 for 25c, doz \$1.00. The Set of 20 varieties (one each) \$1.50

**Aileen**.....Clear, Soft Pink.  
**Bridesmaid**.....Pink.  
**Charlotte**.....Deep Rich Bronze.  
**Chivere**.....Light Pink.  
**Golden Fleece**.....Clear Lemon Yellow

**Halo**.....Bright Bronze.  
**Jersev Beauty**.....Light Bronze.  
**Julia La France**.....Fine Deep Red.  
**Klondike**.....Deep Golden Yellow  
**La Purity**.....Pure Snow White.

**Lula**.....Pure White.  
**Magnificus**.....Creamy White.  
**Panama**.....Bright Red.  
**Princess Louise**.....Dark Bronze.  
**Prince of Wales**.....Pure White.

**Reol**.....Pure Snow White.  
**Tona**.....Deep Yellow  
**Unida**.....Clear Yellow.  
**Veda**.....Rich, Bright Bronze  
**Zoda**.....Delicate Rosy Pink

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.
<b>CIMICIFUGA</b>						
<b>Americana</b> .....	Snake Root	Aug.-Sept.	White	2-3 ft.	20c	2 00
<b>Simplex</b> .....		Sept.-Oct.	White	2-3 ft.	25c	2 50
<b>Dahurica</b> .....	New	July and Sept.	Creamy White	3 ft.	35c	

<b>CLEMATIS</b>						
<b>Recta</b> .....	Shrubby Clematis	June-July	Pure White	2½ ft.	25c	2 50

<b>COREOPSIS</b>						
<b>Lanceolata</b> .....	Tickseed	May-Oct.	Deep Golden Yellow	2 ft.	15c	1 50
<b>Rosea</b> .....		June-Sept.	Pink	1 ft.	15c	1 50

<b>CORIARIA</b>						
<b>Japonica</b> .....		July-Aug.	Green	3-4 ft.	35c	3 75
<b>Terminalis</b> .....		"	Green	3-4 ft.	40c	4 35

<b>DELPHINIUM</b>						
<b>Albion</b> .....	New Hardy Larkspur	"	Semi-Dble. White	4-5 ft.	50c	5 50
<b>Belladonna</b> .....		May-Sept.	Sky Blue	2 ft.	25c	2 50
<b>Chinense</b> .....		June-Aug.	Light Blue	3 ft.	15c	1 50
<b>Chinense Album</b> .....		"	White	3 ft.	15c	1 50
<b>Formosum</b> .....		July-Sept.	Deep Blue, White Eye	4 ft.	15c	1 50
<b>Formosum Giganteum</b> .....	New	"	Velvety Indigo	4 ft.	25c	2 75
<b>Formosum Coelestinum</b> .....	Pillar of Beauty	"	Sky Blue	3-4 ft.	15c	1 50
<b>Francis F. Fox</b> .....	New	"	Dark Blue	5 ft.	50c	5 50
<b>Kelway's Hybrids</b> .....		July-Aug.	Mixed	3 ft.	15c	1 50
<b>King of Delphiniums</b> .....	New	"	Indigo Blue, White Eye	4 ft.	35c	3 50
<b>Mrs. Thompson</b> .....	New	"	Clear Blue, White Eye	3 ft.	25c	2 75
<b>Mr. J. G. Brunton</b> .....	New	May-Sept.	Sky Blue	3-4 ft.	75c	
<b>Persimmon</b> .....	New	July-Aug.	Sky Blue, White Eye	4 ft.	50c	5 50
<b>Primrose</b> .....	New	"	Cream Color, Yellow Eye	3 ft.	50c	5 50
<b>Sinense Cineraria</b> .....	Spur-less					
<b>Coeruleum</b> .....	Larkspur	June-Aug.	Dark Azure Blue, Violet Blue	2-3 ft.	20c	2 00
<b>Goliath</b> .....	New	July-Aug.	Black Eye	4-5 ft.	60c	

<b>DAISY</b>						
<b>California</b> .....	Burbank's Shasta	June-Oct.	Lemon Yellow	2½ ft.	15c	\$1 50
<b>Shasta Improved</b> .....	"	"	Pure White	2 ft.	15c	1 50
<b>Westralia</b> .....	"	"	Cream Color	2½ ft.	15c	1 50

Fine plants for border, blooming late and throwing stiff flowering stems which last a long while when cut, semi-shade and a good deep soil is best.

These are good for covering large rocks or tree stumps. Will thrive in any good place with deep soil. They are sweet-scented and can be used as a cut flower.

Should be grown far and wide. Lanceolata is a splendid cut flower thriving in any good garden soil and blooming the Summer through. Fine for borders, shrubbery or wild garden.

New Sub-Shrub, bearing peculiar brown berries turning to black when ripe. It prefers deep, rich soil.

The Hardy Larkspur are amongst the most popular of perennial plants, providing the color Blue of which we have too little in bloom for three months, bearing strong, erect stems in gorgeous colors.

The culture of Delphiniums is easy; dig the ground deeply, add plenty of well-rotted manure, plant 2-3 ft. apart, topdress the ground with rotten manure where the soil is sandy or dry. Coal ashes put over the crowns will protect them from slugs through Winter or Spring, water freely during dry periods; they can be planted in beds, masses, among shrubbery or along the carriage drive, or as single specimens; they are worthy of extensive cultivation.

Our Greenhouses and Nursery are located at Western Springs, on the C. B. & Q. R. R., 15 miles west of Chicago. Visitors are invited to inspect our stock before planting or while in bloom during Summer and Fall.

Shasta Daisy, perfectly hardy, of easy cultivation, requiring a good, deep, rich loam. Introduced by Mr. Burbank; have become a popular flower, both for border and cutting, for which purpose they are greatly admired





### **The Old-Fashioned Hardy Grass or Clove Pink**

**Use, Soil. Position, Etc.**

A native plant grown for its minute white flowers, which have a distinct green eye. Good for cutting; grows in any soil with open position

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FUNKIA



GYPSOPHILA PANICULATA FL. PI



GAILLARDIA

## HARDY FERNS

A place for Hardy Ferns can be found in nearly every garden. They are especially suited to partial and dense shade and will flourish where grass will not grow. For naturalizing a woodland they are fine subjects associated with Funkias and Aquilegia. They make a grand effect for shady spots in any garden. Their culture is easy. If possible, add leaf mould or well decayed peat, loam and a fair proportion of sand, and good drainage, and plenty of water during dry periods.

*Asplenium Felix-Foemina* Grows from 1 to 3 feet. Fronds ovate, oblong in outline, the foliage fine and delicate.

*Asplenium angustifolium* A charming Fern. Grows 1 to 3 feet high, with simply-divided fronds.

*Asplenium thelypteroides* Fronds 2 to 3 feet high by 6 inches wide.

*Oncoclea sensibilis* (Sensitive Fern) 1 to 2 feet. Wet places, open or shade.

*Osmunda Claytoniana* (Beech Fern) A good Fern for the shady corner. 7 to 12 inches wide, broader than long.

*Adiantum pedatum* (Maidenhair) One of the prettiest. Grows about 1 foot high; in rich shades.

*Aspidium acrostichoides* (Christmas Fern) An evergreen species, about 1 foot high, with deep green fronds.

*Aspidium Cristatum* This species grows from 1 to 2 feet, in wet, swampy places, with fronds about 3 inches wide.

*Aspidium Margale* Fronds 1 to 2 feet in length, 3 to 5 inches wide.

*Aspidium spinulosum* (Wood Fern) A very pretty evergreen species about 15 inches high, with finely dissected fronds.

Any of the Above Hardy Ferns Each 20c, 3 for 50c. The collection of 10 for \$1.50.

Botanical Name,	Common Name,	Flowering Period.	Color.	Height.	Each.	Per doz.
<b>FUNKIA</b> Day Lily						
<i>Fortunei</i> .....		August	White and Lilac.....		25c	\$2 50
<i>Lancifolia</i> .....		"	Dark Blue.....1 ft.....		15c	1 50
<i>Cucullata Medio Picta</i> .....		"	Purple.....1 ft.....		25c	2 50
<i>Minor Alba</i> .....		"	White.....6 in.....		25c	2 50
<i>Subcordata Grandiflora</i>						
<i>Alba</i> .....		Aug.-Sept.	Pure White.....1½ ft.....		25c	2 50
<i>Thomas Hogg</i> .....		"	Rosy Purple.....		50c	5 50
<i>Variegata Undulata</i>						
<i>Medio</i> .....		May-June	Purple, Var. Foliage.....		15c	1 50
<b>GAILLARDIA</b> Blanket Flower						
<i>Grandiflora</i> .....		June-Oct.	Orange Red, Brown & Crimson.....1½ ft.....		15c	1 50
<i>Kermesina Splendens</i> .....		"	Rich Crimson.....1½ ft.....		15c	1 50
<i>Grandiflora Semi-pl.</i> .....		"	Canary Yellow Border.....1½ ft.....		15c	1 50
<i>Grandiflora Sulphurea</i> .....		"	Sulphur Yellow.....1½ ft.....		15c	1 50
<b>GILLENIA</b>						
<i>Trifoliata</i> .....	Bowman's Root	July-Aug.	White, Tinged Pink.....	3 ft.....	25c	2 50
<b>GENTIANA</b> Gentian						
<i>Acaulis</i> .....		May-June	Intense Blue.....4 in.....		25c	2 50
<i>Clusil</i> .....	Closed Gentian	Aug.-Oct.	Deep Blue.....	12 in.....	15c	1 50
<b>GEUM</b> Avena						
<i>Atrosanguineum fl. pl.</i> .....		May-Sept.	Brilliant Scarlet, Dble.....	18 in.....	20c	2 00
<i>Heldreichi</i> .....		"	Orange.....	18 in.....	15c	1 50
<i>Splendens</i> .....		"	Bright Orange Yellow.....	18 in.....	15c	1 50
<i>GERANIUM Sangainum</i> Crane's Bill.....		May-July	Crimson Purple.....	9 in.....	20c	2 00
<b>GLECHOMA or Nepeta</b> Variegated Ground Ivy.....						
			Variegated Foliage.....	3 in.....	15c	1 50
<b>GRASSES</b> Hardy Ornamental.....						
			For Foliage only.			
<i>Arundo Donax Variegata</i> .....	Great Reed		Creamy White and Green.....	6 ft.....	25c	2 50
<i>Erianthus Ravennae</i> .....	Hardy Pampas		Narrow Green.....	10 ft.....	25c	2 50
<i>Eulalia Gracillima Univittata</i> .....			Silver White Midrib.....	3-4 ft.....	15c	1 50
<i>Eulalia Gracillima Japonica Variegata</i> .....	Japan Rush		Green and White, often Pink and Yellow.....	4 ft.....	20c	2 00
<i>Eulalia Japonica Zebrina</i> .....	Zebra Grass		Broad Yellow Bands.....	5 ft.....	25c	2 50
<i>Festuca Glaucia</i> .....	Blue Fescue Grass		Blue Foliage.....	1 ft.....	15c	1 50
<i>Phalaris Arundinacea Variegata</i> .....	Gardeners' Garters or Ribbon Grass		Variegated.....	18 in.....	10c	1 00
<b>GYPSOPHILA</b>						
<i>Paniculata fl. pl.</i> .....	Baby's Breath	Aug.-Sept.	Double White.....	3 ft.....	25c	2 50
<i>Paniculata</i> .....		"	White.....	3 ft.....	15c	1 50

## Use, Soil, Position, Etc.

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best. We list nothing but the best varieties; they will grow in any good, rich soil.

Rock Island, Illinois—The Perennials I received from you came in fine condition

E. P. ZIMMERMAN.

Fine for bedding purposes as well as borders, invaluable as a cut-flower, remaining in bloom the entire summer. They are without doubt one of the most satisfactory plants for any soil and position, and we recommend extensive cultivation, as they are grown with little trouble. Prefers a sunny exposure.

Indian Physic—a strong growing bush-like plant with handsome foliage; useful for planting amongst shrubbery.

Plant in a permanent position where plants will not be disturbed; moist soil and good drainage; fine for rockwork or borders.

Useful plants for well-drained ground and rock gardens, good border plants, showy on account of their bright colors.

Good early summer flowering plants for front of borders, or the rock garden; will thrive in any ordinary garden soil.

A useful plant for hanging baskets, growing over rocks and window boxes; foliage white and green; grows in any good soil.

Ornamental Grasses can be used for a number of purposes, such as skirting the edges of lakes, ponds or borders, also on the perennial borders or lawns as specimens. In most cases they like a heavy soil enriched with rotten manure and plenty of water. *Festuca Glaucia* is a low-growing tufted variety for border; blue foliage

"No doubt there are many lovely flowers to be had by heat and coaxing, but then for each of these there are fifty others still lovelier that will gratefully grow in God's wholesome air and are blessed in return with a far greater intensity of scent and color."—Elizabeth and her German Garden

Dry soil with lime suits this plant best. Tiny flowers borne on slender stems; very useful for cutting; will thrive during the driest period, especially good for putting amongst cut-flowers such as Sweet Peas, Roses, etc.



**HELIANTHUS****HEMEROCALLIS****HOLLYHOCK**

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.	Use, Soil, Position, Etc.
<b>HELIENIUM</b> Sneezewort							
<i>Autumnale Superbum</i> .....		Sept.-Oct.	Deep Yellow.....	6 ft.	15c	\$1 50	Blooming for a long period, are amongst the best of hardy flowers, affording a good quantity of cut-flowers which last a long while; they are worthy of extensive planting; they thrive in any soil and are good for specimens in border and covering back fences, also amongst shrubbery and the wild garden.
<i>Autumnale Rubrum</i> .....		"	Red.....	6 ft.	15c	1 50	
<i>Hoopesi</i> .....		June-Sept.	Bright Orange.....	4 ft.	15c	1 50	
<i>Riverton Gem</i> .....		Aug.-Oct.	Old Gold and Terra Cotta.....	3 ft.	20c	2 00	
<i>Riverton Beauty</i> .....		"	Lemon Yellow, Black Cone.....	3 ft.	20c	2 00	
<b>HELIANTHUS</b> Hardy Sunflower.							
<i>Divaricatus</i> .....		Aug.-Oct.	Yellow.....	2-3 ft.	15c	1 50	Hardy perennial Sunflowers hardly need description, flourishing splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water. Being heavy feeders they require a good, deep soil. Fine for back borders, shrubbery and woodlands. All varieties are single flowering, except Multiflorus Plenno and Rigidus Semi-pl.
<i>Ligeri</i> .....		"	Sulphur Yellow.....	3-4 ft.	15c	1 50	
<i>Maximilliana</i> .....		Sept.-Oct.	Golden Yellow.....	5 ft.	15c	1 50	
<i>Miss Mellish</i> .....		"	Golden Yellow.....	6 ft.	20c	2 00	
<i>Mollis</i> .....		Aug.-Sept.	Lemon Yellow, Silvery Foliage.....	4 ft.	15c	1 50	
<i>Multiflorus Maximus</i> .....		Aug.-Oct.	Golden Yellow.....	5-6 ft.	15c	1 50	A well planted hardy Perennial border is a glory in every garden. Similar to Helianthus in habit, but more dwarf and sturdy; a fine cut-flower; requires good, deep soil.
<i>Multiflorus Plenno</i> .....	Dahlia	Aug.-Sept.	Double Yellow.....	5 ft.	15c	1 50	
<i>Sparsifolius</i> .....	Sunflower	Aug.-Oct.	Deep Yellow.....	6-8 ft.	15c	1 50	
<i>Rigidus Semi-pl.</i> .....		Aug.-Sept.	Orange Yellow.....	5 ft.	15c	1 50	
<i>Rigidus</i> .....		July-Sept.	Golden Yellow.....	5-7 ft.	15c	1 50	
<b>HELIOPSIS</b> Orange Sunflower							
<i>Scaber Major</i> .....	Yellow Day Lily.	June-Oct.	Orange.....	3 ft.	15c	1 50	
<b>HEMEROCALLIS</b>							
<i>Aurantiaea</i> .....		June-July	Orange Yellow.....	2-3 ft.	25c	2 50	The Day Lilies grow anywhere in either partial shade or full sun. Good for borders, shrubberies, wild garden or naturalizing in grass. They are decorative when freely planted along the water-side and like lots of moisture. Mixed with German Iris they are very effective. Require good soil to get the best results.
<i>Aurantiaea Major</i> .....		"	Deep Orange.....	2½ ft.	40c	4 20	
<i>Aureola</i> .....		"	Orange, Shaded Crimson.....	2 ft.	50c	5 00	
<i>Citrina</i> .....		"	Light Lemon Yellow.....	2 ft.	75c		
<i>Dr. Regel</i> .....		"	Rich Apricot.....	2½ ft.	50c	5 50	
<i>Dumortieri</i> .....		"	Rich Yellow.....	2 ft.	10c	1 00	Hardy Perennials are the most satisfactory of all flowers because of their permanent character and the naturalness of their beauty. Handsome for the front of borders or edgings; especially effective as a specimen on account of its innumerable slender stems with tiny flowers of rosy carmine; fine for cutting. They thrive best in light loam and sand; they do not like heavy, wet soil.
<i>Flava</i> .....		July-Aug.	Yellow.....	3 ft.	15c	1 50	
<i>Kwanso fl. pl.</i> .....		"	Double Orange.....	2½ ft.	10c	1 00	
<i>Sovereign</i> .....		July	Soft Chrome Yellow.....	2½ ft.	25c	2 50	
<i>Brizoides Gracillima</i> .....	Alum Root	May-June	Rosy Carmine.....	3 ft.	20c	2 00	
<b>HEUCHERA</b>							
<b>HIBISCUS</b> Mallow							
<i>Crimson Eye</i> .....		Sept.-Oct.	Pure White, Crimson Centre.....	4 ft.	15c	1 50	Tall growing, stately plants for the back of borders; also can be used as a hedge. They are prized on account of their colors which are very uncommon. Thriving in any soil; should find a place in every hardy garden.
<i>Moscheutos</i> .....		"	Rosy Red.....	5 ft.	15c	1 25	

**HOLLYHOCKS**

Hollyhocks are undoubtedly among the most ornamental and handsome garden flowers, with their tall spikes, dotted all the way up with large double flowers of the most lovely shades of color. They fit in the smallest garden, and can be used with great effect in all kinds of borders, shrubbery, against the house or along the fence. No matter where they are planted they are always handsome, pleasing and ornamental. The Hollyhock requires a rich, deep soil, well drained, and will repay in quantity and elegance of bloom any extra care. A slight protection during the winter will be beneficial. Our stock consist of fine well-grown field plants ready to bloom this year.

	Each.	Doz.		Each.	Doz.		Each.	Doz.
Double White, Pink, Red or Yellow.....	20c	\$2.00	Allegheny Mixed, semi-double and single.....	20c	\$2.00	Old-Fashioned Single, mixed.....	15c	\$1.50





**JAPANESE IRIS**

- Maori King** S Golden yellow. F Rich velvet crimson, edged yellow; 14 inches.  
**Mars** S Light yellow. F Pale yellow, with violet blotched and veins.  
**Mrs. H. Darwin** S Clear waxy white. F White, with violet veins; pretty; 2 feet.

**SIBERICA ORIENTALIS—"Yale Blue"**

Among the strong, free-growing Iris, adapting themselves to almost any position, and producing a mass of deep blue flowers under the most adverse conditions from June to August.

**JAPAN IRIS**

- (*Iris Kämpferi*)  
**Blue Jay** Fine azure blue, freely mottled.  
**Crystal** Double pale violet.  
**Dinah** Double reddish pink, flaked white.  
**Eclair** Largest white; improvement on Gold Bound.  
**Mt. Hood** Light blue, shaded darker.  
**Norane** Single blue, with lighter stripes.

Japan Iris, mixed varieties. each, 20c; doz., \$2.00; per 100, \$15.00. English and Spanish Iris, see fall catalog.

**IRIS**

Although naturally a water plant, Iris grows well in any soil and gives a succession of blooms extending over a period of nearly three months. No garden should be without some species of this numerous family. They are splendid for grouping, to adorn the margins of ponds or borders, shrubbery or wild garden. The roots should be left undisturbed, and mulched in fall with good rotten manure, to obtain the best results.

**GERMAN IRIS**

(*Fleur de lis* or *Flag Iris*)

Thrive in city or country equally as well. Because of the great range of color, it has been called the "Rainbow Flower." It is also called the "Poor Man's Orchid." They bloom in June and July. Any good garden soil suits them. Height, 18 to 24 inches.

"S" refers to the three standard, or upright curling petals. "F" refers to three falls, or drooping petals.

We offer the following choice collection:

- Albino** Pale lavender, tinged purple.  
**Bridesmaid** "S" White, shaded silvery Lilac. "F" Reticulated at the base slightly frilled; soft lilac.  
**Celeste** Fine satiny blue. This is the most beautiful Iris and highly recommended for cut flowers.  
**Charles Dickens** "S" Blue. "F" Dark blue, suffused and veined dark purple anthers, white, tipped yellow.  
**Darius** "S" Lemon yellow. "F" Purple, bleaching on edge and top to pale yellow, large; 30 inches.  
**Florentine Alba** Pure white, robust and strong.  
**Hector** "S" Soft clouded yellow. "F" Velvety crimson; showy; 30 inches.  
**Mad. Chereau** The prettiest and tallest of all. S and F White; daintily edged with porcelain; blue; 40 in.

**Pallida Dalmatica** The largest and most beautiful of all the German Iris. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender. Valuable as a cut flower. Each 25c, doz \$2.50.

**Pharaon** Lilac; very fine.

**Penelope** S White speckled violet. F White veined.

German Iris, Mixed, Each 10c, doz \$1.00, per 100 \$6.00

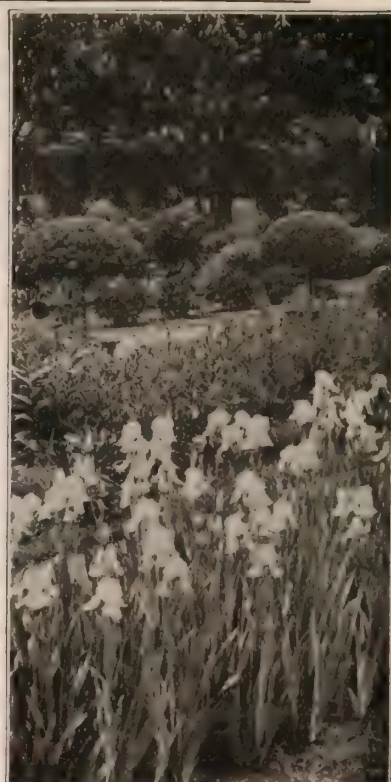
**PUMILA HYBRIDA**

Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris.

**Cyanea** Rich royal purple with black shading.

**Florida** Beautiful lemon yellow shaded darker.

PRICE: (Except where noted) Each 15c, doz \$1.50, per 100 \$10.00



**GERMAN IRIS**

**Queen of May** S Lilac pink. F Lilac, blended with white; distinct; 30 inches.

**Silver King** Very large white flowers, with silvery sheen.

**Trautlieb** Of purest clear rose, shading to white towards the center of the flower.

**SIBERICA SNOW QUEEN**

**Beautiful New Variety**

Snow-white flowers borne on strong, erect stems. Each 25c, doz \$2.50.

- Pyramid** Violet-blue, veined white.  
**Spotted Beauty** Large size, very double, silky white, freely and finely spotted with violet crimson.  
**Topaz** Light rose; single.  
**Victor** Violet-purple, with white veins.

Any of above, each, 25c; dozen, \$2.50. The set of 14 vars., \$2.75.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.	Use, Soil, Position, Etc.
<b><u>HYPERICUM</u></b>							
	St. John's Wort						
<i>Moserianum</i> .....		May-Aug.	Yellow	1½ ft.	25c	\$2 50	Handsome and free flowering plants, with much branched stems; suitable for shady situation, blooming all summer. Require good, sandy loam and slight protection with leaves or litter in winter. Dwarf evergreen plants covered with blooms in spring and during early summer. Little Gem is especially suited to border and rockwork. Gibraltar is fine for edging shrubbery or borders and will thrive in any good soil.
<b><u>IBERIS</u></b>							
	Hardy Candytuft						
<i>Gibraltarica</i> .....		Apr.-May	Lilac Mauve	12 in.	15c	\$1 50	Showy and highly decorative plants. <i>Glandulosa</i> is much prized for cutting, producing flowers two inches across of a peculiar formation. They will thrive in any ordinary garden soil.
<i>Little Gem</i> .....		"	Small White	6 in.	20c	2 00	
<i>Sempervirens</i> .....		"	White	10 in.	15c	1 50	
<b><u>INULA</u></b>							
	Flea Bane						
<i>Eosifolia</i> .....		May-Aug.	Bright Yellow	6 in.	15c	1 50	One of the greatest novelties of the century. A lovely new Chinese plant for sunny situations, producing spikes of elegant Gloxinia-like flowers, produced in clusters with foliage gracefully cut. Plant in deep, rich soil.
<i>Glandulosa</i> .....							
<i>Grandiflora</i> .....		June-Aug.	Yellow	2½ ft.	20c	2 00	
<b><u>INCARVILLEA</u></b>							
	Hardy Gloxinia						
<i>Delavayi</i> .....		May-July	Rose Colored	2 ft.	20c	2 00	The everlasting Pea, effective and easily grown, forms a very decorative object when trained over old tree stumps, banks, pyramids, or forming floral screens. They are good cut-flowers with strong, wiry stems. They require deep, rich soil, their roots extending to a great depth.
<i>Grandiflora</i> .....		"	Rose Colored	2 ft.	20c	2 00	
<b><u>LATHYRUS</u></b>							
<i>Latifolius</i> .....	Hardy Flowering						
<i>Albus</i> .....	Pea	June-Aug.	White	4-5 ft.	15c	1 50	
<i>Rubra</i> .....	"	"	Red	5-6 ft.	15c	1 50	
<i>Pink Beauty</i> .....	"	"	Pink	4-5 ft.	15c	1 50	
<i>White Pearl</i> .....	New	"	Pure White	4-5 ft.	35c	3 75	



Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.	Use, Soil, Position, Etc.
<b>LAVENDULA Vera</b> .....	Lavender	June-Aug.	Blue		15c	\$1 50	Delightfully fragrant flowers, much used when dry on account of its sweet odor. We offer the true variety. Carrying feathery flower spikes; are effective border plants, thriving at the margin of streams or in the open border. They commence to flower at the top of spike and so on downward; very effective.
<b>LIATRIS Pycnostachya</b> .....	Blazing Star or Gay Feather	July-Sept.	Rosy Purple	5 ft.	15c	1 50	
<b>Spicata</b> .....	"	"	Deep Purple	2 ft.	15c	1 50	
<b>LILY OF THE VALLEY Clumps</b> .....		May-June	White	8 in.	30c	3 00	Good for shade and under trees. A desirable plant for the border, with light, graceful foliage and blue flowers produced through the entire summer if cut down after the first blooming.
<b>LINUM</b> .....	Flax						
<b>Flavum</b> .....		June-Sept.	Yellow	1 ft.	15c	1 50	
<b>Perenne</b> .....		"	Sky-Blue	1½ ft.	15c	1 50	
<b>LOBELIA Cardinalis</b> .....	Cardinal Flower	July-Sept.	Flery Scarlet	2 ft.	15c	1 50	Deep, rich, moist soil is best. For the margins of ponds or damp border. Cardinals can also be grown as a pot plant, being very effective on account of its vivid scarlet flowers.
<b>Syphilitica</b> .....	Great Lobelia	July-Aug.	Pale Lavender	2-3 ft.	15c	1 50	
<b>LUPINUS</b> .....	Lupine						
<b>Polyphyllus Blue</b> .....		May-June	Blue	3 ft.	15c	1 50	Perfectly hardy and will grow in city or any position. Requiring plenty of water in dry weather and a good, deep, rich soil. Especially attractive in groups in border or shrubbery.
<b>" Albus</b> .....		"	White	3 ft.	15c	1 50	
<b>" Moerheimi</b> .....	New	"	Rose	3 ft.	35c	4 00	
<b>LYCHNIS</b> .....	Campion						
<b>Chalcedonica</b> .....		June-Sept.	Orange Scarlet	2-3 ft.	15c	1 50	Highly ornamental plants for summer. The taller kinds being valued for cut-flowers and border plants; the dwarf varieties make pretty plants for front row of border or rockwork and thrive in any good garden soil in a sunny position. Effective in clumps or wild garden. Requires a moist situation such as swamps and damp places. Mammularia is fine for banks, vases, old stumps or rockeries and can be used in hanging baskets. 3-ft. high, producing large spikes of rose-colored flowers and can be used for margins of lakes and ponds; also borders and shrubbery. Any good soil suits them. A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil.
<b>Chalcedonica, fl. pl.</b> .....		July-Sept.	Double Scarlet	2 ft.	25c	2 50	
<b>Haageana</b> .....	Maltese Cross	May-June	Orange Scarlet	1 ft.	15c	1 50	
<b>Sieboldi</b> .....		June-July	White	1 ft.	15c	1 50	
<b>Vespertina Alba, fl. pl.</b> .....		June-Sept.	Double White	1½ ft.	20c	2 00	
<b>Viscaria</b> .....	Ragged Robin	June-July	Crimson	1 ft.	15c	1 50	
<b>LYSIMACHIA</b> .....							
<b>Barystachis</b> .....	Loose Strife	July-Sept.	White	2 ft.	15c	1 50	Fine for naturalizing in woods and shrubbery, bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position.
<b>Mummularia</b> .....	Creeping Jenny	June-Aug.	Yellow	4 in.	10c	1 00	
<b>LYTHRUM</b> .....	Black Blood						
<b>Roseum Superbum</b> .....		May-Sept.	Reddish Purple	3 ft.	15c	1 50	
<b>MERTENSIA</b> .....	Blue Bells or Virginian						
<b>Virginica</b> .....	Cowslip	May-June	Light Blue	18 in.	15c	1 50	
<b>MINT</b> .....	Old-Fashioned	See page 33					
<b>MONARDA</b> .....	Oswego Tea						
<b>Didyma</b> .....	Bea Balm	June-Sept.	Brilliant Scarlet	2 ft.	15c	1 50	The true Forget-me-not—a lovely dwarf plant for damp places, spreading rapidly and carpeting the ground by streams or ditches; any good, moist soil. Showy and easily grown in all soils; useful in wild garden and border; makes good plants for front of border.
<b>Hybrids</b> .....		June-Sept.	Mixed	2 ft.	15c	1 50	
<b>MYOSOTIS Palustris</b> .....	Forget-me-not	May-Aug.	Blue	6 in.	10c	1 00	
<b>OENOTHERA</b> .....	Evening Primrose						
<b>Speciosa Rosea</b> .....		May-Aug.	Rose	6-8 in.	15c	1 50	Orange colored flowers, succeeded by berries resembling blackberries. Evergreen foliage of small growth and a free grower; good for border.
<b>Youngel</b> .....		May-Aug.	Golden Yellow	2 ft.	15c	1 50	
<b>OLD MAN</b> .....	See Artemesia						
<b>PARDANTHUS</b> .....	Blackberry Lily						
<b>Sinensis</b> .....		July-Aug.	Bright Orange	2½ ft.	15c	1 50	These graceful plants bearing long spikes of flowers—are very free and will flourish in any ordinary well drained garden soil. The prolonged flowering season makes them valuable for the border. Dwarf Alpine species bloom in early spring. For massing in beds, rock-garden, or as edgings they are indispensable. They will carpet the ground and form good plants for graves. They flourish best in a sunny position in light, sandy loam.
<b>PELTARIA</b> .....		June	White	1 ft.	15c	1 50	
<b>Alliacea</b> .....	See Grasses						
<b>PHALARIS</b> .....	Beard's Tongue						
<b>PENTSTEMON</b> .....							
<b>Barbatus Torreyi</b> .....		June-Aug.	Brilliant Scarlet	3 ft.	15c	1 50	Very handsome plants of the Campanula family, being large open bell-shaped flowers, which in the bud resemble a balloon, hence the name. As border plants they are unique, and should be planted in quantity. Sandy loam is best.
<b>Digitalis</b> .....		June-July	Purple White	2 ft.	15c	1 50	
<b>PHLOX Alpine Varieties</b> .....	Moss Pink						
<b>Amoena</b> .....		May-July	Bright Pink	4 in.	10c	1 00	This pretty Autumn flowering plant requires a loamy soil. Valuable for massing in borders and for cut flowers. They require light, deep, loamy soil with exposed position.
<b>Divaricata (Canadensis)</b> .....		April-May	Sky-blue	8 in.	15c	1 50	
<b>Divaricata Laphami (Perry's)</b> .....		April-July	Lavender	10 in.	20c	2 00	
<b>Subulata Alba</b> .....		June-Aug.	White	4 in.	15c	1 50	
<b>" Rosea</b> .....		May-July	Pink	4 in.	10c	1 00	
<b>PHYSOSTEGIA</b> .....	False Dragon Head						
<b>Virginica</b> .....		June-Sept.	Soft Pink	3-4 ft.	15c	1 50	Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.
<b>" Alba</b> .....		June-Sept.	Pure White	3-4 ft.	15c	1 50	
<b>" Speciosa</b> .....			Delicate Pink		15c	1 50	
<b>PLATYCODON</b> .....	Balloon Flower						
<b>Grandiflora</b> .....		May-Sept.	Deep Blue	18 in.	15c	1 50	For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. As a cut flower they rank high. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suits them best. We offer only the finest varieties of tried merit.
<b>Mariesi</b> .....		May-Sept.	Violet Blue	12 in.	15c	1 50	
<b>" Alba</b> .....		May-Sept.	White	12 in.	15c	1 50	
<b>PLUMBAGO</b> .....	Leadwort						
<b>Larpenae</b> .....		June-Sept.	Deep Blue	4-6 in.	15c	1 50	
<b>POTENTILLA</b> .....	Cinquefoil						
<b>Formosa</b> .....		June-Aug.	Rosy Red	18 in.	15c	1 50	Iceland Poppies are very free and delicate and much admired for the front row of border.
<b>Hybrida</b> .....		June-Aug.	Mixed	18 in.	15c	1 50	
<b>Atroranguinea</b> .....		June-Aug.	Brilliant Scarlet	18 in.	15c	1 50	
<b>PAPAVER</b> .....	Oriental Poppy						
<b>Goliath</b> .....		May-Aug.	Scarlet	3½ ft.	25c	2 50	For gorgeous coloring the Oriental Poppies have few rivals amongst hardy plants, making a magnificent effect in the border, shrubbery or wherever large breaks of distinct and glowing colors are required. As a cut flower they rank high. Their freedom of bloom renders them conspicuous in any position. Good, deep, rich soil and open situation suits them best. We offer only the finest varieties of tried merit.
<b>Mahoei</b> .....		May-Aug.	Deep Maroon	3 ft.	25c	2 50	
<b>Masterpiece</b> .....		May-Aug.	Salmon Pink	3 ft.	20c	2 00	
<b>Royal Studholme</b> .....		May-Aug.	Salmon	3 ft.	25c	2 50	
<b>Royal Scarlet</b> .....		May-Aug.	Scarlet Black Cen.	3 ft.	15c	1 50	
<b>Oriental King</b> .....		May-Aug.	Crimson Scarlet	3 ft.	25c	2 50	
<b>Princess Victoria Louise</b> .....		May-Aug.	Soft Lilac Rose	3 ft.	20c	2 00	
<b>Rembrandt</b> .....		May-Aug.	Orange Salmon	3 ft.	25c	2 50	
<b>Silver Queen</b> .....		May-Aug.	Silvery White	3 ft.	20c	2 00	
<b>Nudicaule</b> .....	Iceland Poppy	June-Oct.	White, Yellow and Scarlet	1 ft.	15c	1 50	



# PEONIES

Once planted they will last a lifetime

Cultural Directions are sent with every order for Peonies

There is no hardy perennial which equals the Peony in beauty and usefulness. Once planted, the plants and flowers increase in size and beauty with age. They are as hardy as oaks and as handsome (many as fragrant) as roses. When the plants are through blooming they are as handsome and ornamental as most of the hardy shrubs. The plants are practically immune from insects. We would advise our customers to **beware of "cheap" Peonies**. An inferior variety will take as much care and space as a choice one, and the first cost of a Peony is nothing compared to the disappointment after years of waiting.

**Time of Planting** Peonies should be planted as early as possible in Spring as they sprout very quickly. We cannot take any orders for roots after **May 10th** on that account.

## WHITE AND LIGHT SORTS

**Alba Sulphurea** Midseason. 6-inch bloom; white guards; lemon-yellow center; good grower; bloom ball-shaped. Strong; agreeable fragrance. Divided roots. Each 35c; 4-year clumps, each \$1.00.

**Couronne d'Or** Snow-white, yellow reflex. Very large. Ball-shaped imbricated flower. Splendid cut flower sort. Late. Each 50c, doz \$5.75. 5-year-old clumps, each \$2.00.

**Duchess de Nemours (Calot)** Sulphur white, with greenish reflex. Flower large, cup-shaped. Splendid cut flower variety. Late. Each 35c, doz \$4.00.

**Duke of Wellington** Very large, well formed sulphur-white bloom; habit ideal; stems very firm and long; strong grower; very fragrant. Each 40c, doz \$4.50.

**Festiva (True)** Late midseason. Fine, very full shell-formed bloom on strong stems; color fine ivory white, with a few carmine spots on center petals; very fragrant. One of the best cut-flower sorts. Divided roots 50c each. 4-year old clumps, each \$1.25.

**Festiva Maxima** The best known Peony. Flower of immense size—seven to eight inches in diameter—snow-white, with some red spots on the edges of the center petals. Very sweet. Early. Each 35c, doz \$4.00. 5-year-old clumps, \$1.25.

**Jeanne d'Arc** Soft pink; center sulphur white. Very fragrant. This is one of the most desirable of the light colored Peonies, being very free and a vigorous grower. Similar but better than Golden Harvest. Each 40c, doz \$4.50.

**La Tulipe** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine. Late. Divided roots each 40c. 4-year-old clumps each \$1.50.

**Madame Breon** Guards brilliant rosy flesh, center creamy white to yellowish upon opening, fading to pure white; bloom very large, on long, strong stems; fragrant. Divided roots each 40c. 5-year-old clumps each \$1.25.

**Madame Calot** Pinkish white, tinted with flesh color. Extra fine variety. Divided roots each 40c. 4-year-old clumps each \$1.25.

**Madame Crousse** Very large, full well-made flower; color snow white, center petals edged with bright carmine. Extra fine for all purposes. Taken all together, this is, in our estimation, the best of all the White Peonies. Each 85c, doz \$6.50.

**Madame de Verneville** Guard petals sulphur white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. This is one of the most desirable of the White Peonies for all purposes. Late midseason each 60c, doz \$6.50. 5-year-old clumps each \$1.50.

**Marie Lamoine** Enormous sulphur-white bloom, shaded pink and chamois strong stems of medium height; very late bloomer; magnificent variety. Each 50c.

**M. Dupont** One of the best late white sorts. Flowers very large, cup-shaped, on stiff stems. Clear ivory white, with brilliant carmine border on center petals. A good grower and free bloomer. Each 75c, doz \$8.50. 5-year-old clumps each \$2.00.

**Triumphans Gandavensis** Pinkish white, tinted chamois; dwarf habit. Very pretty for bedding. Divided roots each 50c. 5-year-old clumps each \$1.00.

## LIGHT AND DARK PINK AND ROSE SORTS

**Alexander Dumas** Brilliant pink, interspersed with white and salmon. Very early and free. One of the best for cut flowers. Each 40c, doz \$4.50. 4-year-old clumps each \$1.25.

**Canary** Guard petals flesh, yellow center. A very desirable and pleasing variety. Each 40c, doz \$4.50.

**Delicatissima** A clear delicate pink; flower very large and full, borne on fine long stem. A most desirable cut-flower variety. Each 45c, doz \$5.00.

**Etendard du Grand-Homme** A large flower, broad rose-petal, color bright amaranth; very desirable. Each 40c, doz \$6.50. 4-year-old clumps each \$1.00.

**Faust** A delicate flesh, with a darker center. Very pretty. Late midseason. Each 50c, doz \$5.50.

**Lady Leonora Bramwell** Beautiful large rose-colored Peony. Very free. Splendid cut-flower sort. Divided roots each 30c, doz \$3.25. 5-year-old clumps each 85c.

**Madame Bollet** Color rose, with silvery reflex. Very large and double. Late. Divided roots each 60c. 5-year-old clumps each \$1.50.

**Madame Boulanger** Light silvery pink, with flesh guard, regular and solid. Rose shape; very large. Exceedingly fragrant, late. One of the best pinks. Divided roots each 50c. 5-year-old clumps each \$1.50.

**Madame de Galhu** Soft flesh pink, shaded salmon, with silver reflex. Flowers very large, borne on extra long stems. Late midseason. Each 60c, doz \$6.50. 5-year-old clumps each \$1.50.



**FESTIVA MAXIMA** (The best known white Peony)

## LIGHT AND DARK PINK AND ROSE Continued

**Madame de Vetry** Guard petal flesh, center sulphur white, with carmine stripes. Very large flowers; of dwarf habit. An excellent cut-flower variety and fine for bedding. Late midseason. Each 60c, doz \$6.50.

**Madame Geissler** Silvery pink, shading to rose at base of petals. Immense flower; imbricated and borne on strong stems. Late. Each 50c, doz \$5.75.

**Madame Muysart** One of the best and largest of the pink sorts; extra choice; late. Divided roots each 40c, doz \$4.50.

**Mathilde de Roseneck** Soft flesh pink, with deeper shadings toward the center. Petals bordered with silver. Flowers of very large size, very double. A free bloomer and tall grower. Very late. Each 60c, doz \$6.50.

**Mathilde Mechin** French pink, mixed with small salmon petals. Bright Anemone, ball-shaped flowers of perfect build. Extra fine. Each 60c, doz \$6.50.

**M. Bouchardet** Bright pink. Of medium size and excellent form. A good grower and of compact habit. Valuable lawn sort. Midseason. Each 45c, doz \$5.00.

**Mons. Chas. Leveque** Color delicate rose. Divided roots, each 40c, doz \$4.50. 4-year-old clumps each \$1.25.

**Pulcherrima** Outside petals flesh, center pink. Very large and borne on long, strong stems. Each 35c, doz \$3.75. 5-year-old clumps each \$1.25.

## RED AND CRIMSON SORTS

**Berlioz** Brilliant dark red. Flowers of very large size, imbricated. Dwarf compact grower. Fine lawn sort. Very late. Each 40c, doz \$4.50.

**De Candolle** Brilliant dark red. Very striking. Late. Each 50c, doz \$5.75. 5-year-old clumps each \$1.50.

**Delachil** Rich deep purple, strong grower and free bloomer, one of the best of the dark Peonies. Midseason. Each 35c, doz \$4.00.

**Edouard Andre** Large, globular bloom; deep crimson with metallic luster on the reflex of the petals; striking color, strong grower. Divided roots, each 40c, doz \$4.50. 4-year-old clumps each \$1.00.

**Felix Crousse** One of the best red sorts. Large double-ball shaped flower; a free bloomer. Very desirable. Late midseason. Each 50c, doz \$5.75. 5-year-old clumps each \$1.50.

**Lee's Grandiflora Rubra** Rich red, resembling American Beauty Rose, of enormous size and long stem. One of the latest and best. Divided roots each 45c, doz \$5.00. 5-year-old clumps each \$1.50.

**Officialis Rubra Plena** This is the old-fashioned red, the most brilliant of all red Peonies. Early and splendid cut flower. 3-year-old clumps each 30c, doz \$3.25.

**Richardson's Rubra Superb** Rich, deep crimson; latest of all. Very sweet. Divided roots each 30c, doz \$3.20. 5-year-old clumps each \$1.25.

**Rubra Triumphans** Brilliant crimson, showing brilliant yellow stamens. Very large. Early. Each 35c, doz \$3.75.

**UN-NAMED PEONIES** We can supply these in white, pink or red, in good sorts, un-named, each 25c, 3 for 65c, doz \$2.50. Extra large clumps (by express at buyer's expense) each 75c, 3 for \$2.00.

## JAPANESE TREE PEONIES

These Tree Peonies grow in the form of a dwarf shrub. Very free flowering, blooming earlier than the herbaceous sorts, and while also perfectly hardy they are benefited by a slight protection through the winter. The flowers are very large, from 8 to 12 inches across, and are of the richest and most lovely shades of color imaginable.

Each \$1.00, the set of 10 for \$9.00, by express at buyer's expense.

Kindly order by number.

No. 8. Flower medium size. Base of petals rose, shading to shell pink. Edges of flowers white. Petals incurved.

No. 12. Larger than No. 8 and fewer petals. Base of petals shell pink, upper half of petals white. Shows stamens.

No. 21. In color like No. 12, but the center of the flower is filled with upright petals.

No. 22. Double white.

No. 23. Larger than No. 22, center of flower shows stamens.

No. 27. Rich plum color, like Brunhilde Dahlia.

No. 29. Very large flower, color rich lake, edges of petals white.

No. 32. Semi-double. Large flower, shows stamens. Rich deep lake, edges of petals rose.

No. 36. Semi-double. Flower shows stamens. White with a purple lavender marking on the base of each petal.

No. 38. Light plum color. Large flower. Shows stamens



# HARDY PHLOX

These beautiful and useful subjects are considered amongst the finest herbaceous flowers. They are distinctly hardy and admirable as cut flowers. A very wide range of color is now to be found, which renders them attractive border plants.

**Culture:** Being great feeders, Phlox require good, deep soil, with plenty of decayed manure.

The Price on Single Pot Plants, includes postage, if ordered at the price for 12 add 2c each for cost of mailing. Field-grown Plants, if to be sent by mail add 3c each for cost of mailing.

	Pot-Grown Plants		Field-Grown Plants	
	Each.	Doz.	100.	Each. Doz. 100
<i>Antonin Mercie</i> A beautiful grayish lilac with white center.....	\$0	25	\$2	50
<i>Beranger</i> Ground color white, delicately suffused with rosy pink and a distinct amaranth red eye; early; medium high.....	10	1 00	\$6	00 \$0 15 \$1 50 \$10 00
<i>Bridesmaid</i> Pure white with large crimson-carmine eye; very fine; tall .....	10	1 00	6 00	20 2 00
<i>Clara Benz</i> Brilliant carmine rose. Medium high.....	15	1 50	10 00	25 2 50
<i>Coquelicot</i> A fine orange scarlet with crimson eye. Very fine .....	15	1 50	10 00	25 2 50 15 00
<i>Eclairer</i> Brilliant rosy magenta with large lighter halo. An excellent variety.....	10	1 00	6 00	15 1 50 10 00
<i>Flora Hornung</i> Milk-white with carmine eye, large flower. Dwarf grower.....	15	1 50	10 00	25 2 50 15 00
<i>Frau Ant. Buchner</i> Pure white. Undoubtedly the finest white yet raised. Strong habit. New.....	25	2 50	18 00	50 5 50
<i>Fraulein Von Lassburg</i> The purest snow-white in cultivation. Individual flowers larger than any other white. Tall. Extra fine .....	20	2 00	14 00	25 2 50 18 00
<i>G. A. Strohlein</i> Glowing orange scarlet with blood-red eye. Immense heads. Medium high .....	20	2 00	14 00	25 2 50 18 00
<i>General Von Heutz</i> Brilliant salmon red with white center. Very large heads; free bloomer. Extra fine. Medium high.....	15	1 50	10 00	25 2 50 18 00
<i>Gruppen Koenigia</i> Flesh with dark eye. Immense heads; very large individual flowers, very free and lasting. Medium high.....	15	1 50	10 00	25 2 50 18 00
<i>Jeanne d'Arc</i> Pure white, large flowering variety.....	10	1 00	6 00	15 1 50 8 00
<i>Jules Cambon</i> Brilliant reddish purple, with very large pure white center. Medium high. New.....	20	2 00		
<i>L'Aiglon</i> One of the best of the deep rose colored varieties; bright carmine eye. Medium high.....	15	1 50	10 00	25 2 50
<i>Katinka Beell</i> Beautiful crimson with blood-red eye; immense truss; medium. New.....	35	3 50		
<i>Mad. Bezanson</i> Deep crimson. Very fine; medium high.....	10	1 00	6 00	20 2 00 10 00
<i>Mrs. Arthur Baker</i> Fine salmon. Very distinct; medium high.....	15	1 50	10 00	25 1 50 18 00

## PHLOX COLLECTIONS

**Ten Choice and Rare Hardy Phlox.** This collection contains the cream of the choicest varieties we offer. For color and description see above list.

Flora Hornung L'Aiglon  
Fraulein Von Lassburg Pantheon  
G. A. Strohlein Selma  
General Von Heutz Tapis Blanc  
Gruppen Koenigia Von Hochberg

The composition of these collections cannot be changed.

No. 1 1 each of the 10 varieties...Pot-grown.....\$1 60  
No. 2 1 each of the 10 varieties...Field-grown.....2 40  
No. 3 3 each of the 10 varieties...Pot-grown.....4 50  
No. 4 3 each of the 10 varieties...Field-grown.....6 75

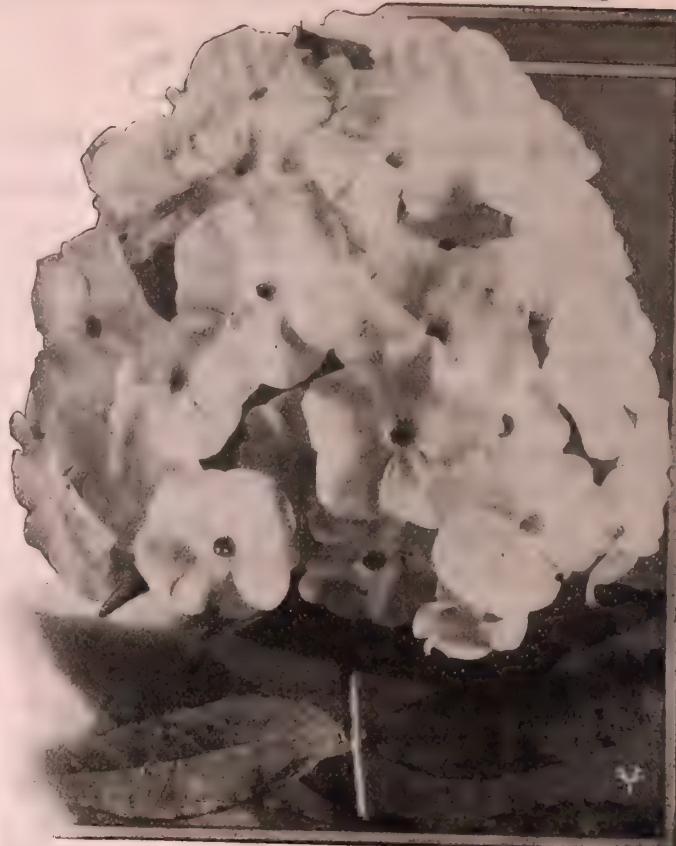
**Phlox Surprise Collection No. 1** Contains 10 different varieties hardy Phlox (not labeled) pot-grown plants, for 75c.

**Ten Superb Standard Varieties of Hardy Phlox.** For color and description see above list.

Beranger Jeanne d'Arc  
Bridesmaid Mad. Bezanson  
Clara Benz Miss Lingard  
Coquelicot Mrs. Arthur Baker  
Eclairer Von Goethe

No. 5 1 each of the 10 varieties...Pot-grown.....\$1 00  
No. 6 1 each of the 10 varieties...Field-grown.....1 75  
No. 7 3 each of the 10 varieties...Pot-grown.....2 75  
No. 8 3 each of the 10 varieties...Field-grown.....5 00

**Phlox Surprise Collection No. 2** Contains 10 different varieties hardy Phlox (not labeled) field-grown plants, for \$1.25.



HARDY PHLOX

	Pot-Grown Plants		Field-Grown Plants	
	Each.	Doz.	100	Each. Doz. 100
<i>Pantheon</i> Deep salmon rose. Very fine; tall.....	\$0	20	\$2	00 \$0 25 \$2 50
<i>R. P. Struthers</i> Rosy carmine with claret eye. Very bright. Tall .....	15	1 50	10 00	25 2 50 \$15 00
<i>Selma</i> Large trusses of very large pink flowers with cherry-red eye. Extra fine .....	20	2 00	14 00	25 2 50 18 00
<i>Tapis Blanc</i> Pure white. Immense heads; of extra dwarf habit. The best dwarf Phlox in cultivation.....	25	2 50	18 00	35 3 50
<i>Von Hochberg</i> The ideal crimson. The richest of its color. One of the best.....	25	2 50	18 00	35 3 50
<i>Von Goethe</i> Pure clear pink with white eye. Very fine.....	15	1 50	10 00	25 2 50 18 00

## EARLY-FLOWERING HARDY PHLOX

(Phlox-Suffruticosa)

This type, while it does not contain the rich bright colors which are a feature of the collections offered above, is invaluable on account of coming into bloom in May, or fully six weeks earlier than other sorts, and continuing throughout the season.

*Miss Lingard*, pure white. *Lady Masgrove*, red, with white cross. *Mme. Fournier*, white, with pink eye. Each 20c, 3 for 55c, doz. \$2.00.

The price on single pot plants includes postage, if ordered at the price for 12, add 2c each for cost of mailing. Field-grown plants, if to be sent by mail, add 3c each for cost of mailing.

Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each	Per doz.
<b>PRIMULA</b>						
<i>Acaulis Croussie pl.</i>	Hardy Primrose	May-June	Double Rosy Lilac	6 in.	15c	1.50
<i>Elatior Aurea Grandiflora.</i>		May-June	Golden Yellow	10 in.	20c	2.00
<i>Elatior Gigantea Alba.</i>		May-June	White	10 in.	25c	2.50
<i>Elatior Gigantea Hybrida.</i>		May-June	Mixed	10 in.	15c	1.50
<i>Sieboldi Atlas.</i>		May-June	Rosy Pink White	8 in.	20c	2.00
<i>Sieboldi Fairy Queen.</i>		May-June	White and Lilac	8 in.	20c	2.00
<i>Sieboldi Princess.</i>		May-June	White	8 in.	20c	2.00
<i>Sieboldi Sirius.</i>		May-June	White Curled Pet.	8 in.	20c	2.00
<i>Veris Harbinger.</i>		May-June	Scarlet-White Eye	8 in.	20c	2.00
		May-June	Yellow Dark Eye	10 in.	15c	1.50
<b>PYRETHRUM</b>						
<i>Alfred Kelway.</i>		June	Double Crimson	18 in.	30c	3.00
<i>Kelway's Hybrids.</i>		June	Pink, Red & White		15c	1.50
<i>Uliginosum.</i>	Giant Daisy	Aug-Oct.	White	4-5 ft.	15c	1.50

## Use, Soil, Position, Etc.

These favorite early spring flowering plants of dwarf habit are not as well known as they should be. They are invaluable for planting in partial shade borders in masses or as a border to bulb beds. They are useful for forcing under glass, making nice pot plants. Can be used with advantage for naturalizing in woods. They like leaf-soil, old decayed manure and light soil and a cool, moist situation.

Tulsa, Oklahoma. The box by express came through in excellent shape and plants were A No. 1. The best you have ever sent, and that is saying a great deal. Perry N. DeHaven.

The habit is graceful, foliage elegant and the flowers are produced in quantity on stiff stems suitable for cutting, lasting long in water. They grow in any ordinary garden soil, but they like best a rich loam.



Botanical Name.	Common Name.	Flowering Period.	Color.	Height.	Each.	Per doz.	Use, Soil, Position, Etc.
<b>RUDBECKIA</b> .....Cone Flower							
<i>Laciniata fl. pl.</i>	(Golden Glow)	July-Oct.	Yellow	5-7 ft.	15c	\$1.50	The Rudbeckias are very decorative plants for shrubberies, flower borders, side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the <i>Purpurea</i> for its wine-red color. Any good garden soil suits them. Golden Ray is an improved Golden Glow.
<i>Golden Ray</i>	New	July-Oct.	Golden Yellow	6 ft.	20c	2.00	
<i>Maxima</i>		June-Sept.	Bright Yellow	6 ft.	15c	1.50	
<i>Newmanni</i>		June-Sept.	Orange Blk.	Cone 2 ft.	15c	1.50	
<i>Sub Tomentosa</i>		June-Sept.	Lemon Yellow	2 1/2 ft.	15c	1.50	
<i>Nitida</i>	"Fall Sun"	October	Golden Yellow	6 ft.	25c	2.50	
<i>Purpurea</i>		July-Sept.	Wine Red	4 ft.	50c	5.50	
<b>ROSMARINUS</b> .....Rosemary							
			Silvery	2 ft.	15c	1.50	Aromatic herb of neat habit, an old favorite on account of its sweet smelling foliage. Forming silvery rosette-like tufts, preferring a cool, shady situation. Good for graves, rock-garden and edging borders and waterfalls. Flower erect on pink stems.
<b>SAXIFRAGA UMBROSA</b>	London Pride	May-June	White Spotted Car-mine	4 in.	25c	2.50	
<b>SCABIOSA</b> .....Mourning Bride							
<i>Caucasica</i>		June-Sept.	Pale Blue	18 in.	15c	1.50	Useful border plants blooming freely all summer, much prized for cutting and massing in old-fashioned gardens, succeeds best in light loam with plenty of sun.
<i>Caucasica Alba</i>		June-Sept.	White	18 in.	25c	2.50	
<i>Japonica</i>		June-Sept.	Lilac Blue	2 ft.	15c	1.50	
<b>SEDUM</b>							
<i>Acre</i>	Golden Moss	May-June	Bright Yellow	3 in.	10c	1.00	Fine plants for rock-garden, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather.
<i>Spectabile</i>	Brilliant Stone-crop	July-Aug.	Rose Color	18 in.	15c	1.50	
<i>Mixed Varieties</i>		July-Aug.	Mixed	4-12 in.	10c	1.00	
<b>STATICE</b> .....Sea Lavender							
<i>Latifolia</i>		July-Sept.	Lavender	2 ft.	15c	1.50	Spreading panicles of everlasting flowers which are much prized for winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun. This remarkable plant is without a doubt one of the best and showiest new introductions, bearing delicate feathered drooping pure white flowers with stems 5-8 ft. long. Give it rich soil.
<b>STENANTHIUM</b>	Mountain Feather Fleece						
<i>Robustum</i>		Aug.-Sept.	Pure White	4-5 ft.	50c	5.00	Produce showy Aster-like flowers from 4-5 inches across; it is of easiest culture, succeeding in any open position; used as a cut flower and for planting in masses in the hardy border. This new dwarf Golden Rod differs from our wild varieties, inasmuch that it does not grow so robust. Its yellow feathery sprays are good for cutting, and it makes a compact plant.
<b>STOKESIA</b> .....Stokes' Aster							
<i>Cyanea</i>		July-Oct.	Deep Blue	18 in.	15c	1.50	Graceful plants, both in flower and foliage. Naturalized by the side of streams, or as a border or shrubby plant. Their feathery plumes are valuable for cutting, most of the varieties being strong growers. They require good, rich soil. <i>Filipendula fl. pl.</i> is good for front row in hardy border or edging. Partial shade.
<i>Cyanea Alba</i>		July-Oct.	White	18 in.	20c	2.00	
<b>SOLIDAGO</b> .....Golden Rod							
<i>Virgaurea Nana</i>		September	Golden Yellow	18 in.	15c	1.50	The varieties offered are an improvement on the old-fashioned kinds, inasmuch that the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and require a good, rich, well manured soil to grow them to perfection.
<b>SPIRAEA</b> ....Goats' Beard or Meadow Sweet							
<i>Aruncus Knelffi</i>		July-Aug.	Silvery White	3-4 ft.	25c	2.50	These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. They make fine border plants for partial shade or sun, and will thrive in any good soil or situation. Valuable for flower borders, naturalizing or growing anywhere.
<i>Lobata (Venusta)</i>		June-July	Rose Pink	3-4 ft.	20c	2.00	
<i>Filipendula fl. pl.</i>	Dropwort	June-July	Double White	18 in.	15c	1.50	
<i>Purpurea Palmata</i>		June-July	Rosy Crimson	2 ft.	20c	2.00	
<b>SWEET WILLIAM</b>							
<i>Single and Double</i>		June-July	Mixed	18 in.	15c	1.50	One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.
<i>Red</i>		June-July	Red	18 in.	15c	1.50	
<i>White</i>		June-July	White	18 in.	15c	1.50	
<b>THALICTRUM</b> .....Meadow Rue							
<i>Adiantifolium</i>		June-Aug.	Yellow	8 in.	15c	1.50	A most striking and exceedingly ornamental autumn flowering class of plants. Their noble aspect and showy flower spikes from a dense root foliage render them valuable for shrubberies, flower borders, beds or lawns. They like light, sandy soil, plenty of manure and abundance of water, and should have protection in winter with straws or leaves, as they will not stand very severe weather. <i>Pfitzeri</i> is everblooming and makes a good flower.
<i>Delavayi</i>		June-Aug.	Dark Lilac	2 1/2 ft.	30c	3.00	
<i>Flavum</i>		June-Aug.	Yellow	4 ft.	15c	1.50	
<b>TRADESCANTIA</b>							
<i>Virginica</i>	Spider Wort	July-Aug.	Blue	3 ft.	15c	1.50	The Globe Flowers are beautiful showy border plants, having luxuriant foliage. Thrive best in semi-shady places and moist situation with heavy soil. Are useful for naturalizing, side of ponds and borders. The flowers are borne on stiff stems and are valued for cutting.
<b>TRILLIUM</b> .....Wood Lily or Wake Robin							
<i>Grandiflorum</i>		May-June	White	18 in.	10c	1.00	A good border plant with sweet scented flowers of Heliotrope odor, worthy of a place in the back part of hardy gardens.
<b>TRITOMA</b> ....Red Hot Poker or Torch Lily							
<i>Pfitzeri</i>	Everblooming Flame Flower	Aug.-Nov.	Orange Scarlet	3 ft.	15c	1.50	Amongst the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed. Subsessilis is the best of the tall growing species and makes a fine cut flower. <i>Rupestris</i> is a fine plant for matting the ground and can be used for covering dry banks, graves, etc. All the varieties are worthy of cultivation. Requiring any good garden soil and plenty of water in dry weather.
<i>Obelisque</i>		Aug.-Nov.	Chrome Yellow	3 ft.	25c	2.50	
<i>Saundersi</i>		June-Aug.	Coral-Red	3 ft.	25c	2.50	
<i>Triumph</i>		Aug.-Oct.	Golden Yellow	3 ft.	40c	4.00	
<i>Uvaria Grandiflora</i>		Aug.-Nov.	Bright Orange	4 ft.	15c	1.50	
<i>Express</i>		June-Aug.	Orange Scarlet	2 ft.	20c	2.00	
<b>TROLLIUS</b> .....Globe Flower							
<i>Asiaticus fl. pl. Croceo</i>		May-June	Dark Orange	18 in.	25c	\$2.50	Old garden favorites and valuable for graves, rough places and growing under trees where few other plants will live, they soon make a carpet.
<i>Orange Globe</i>			Glowing Orange	3 ft.	25c	2.50	
<i>Hybrids</i>			Mixed	2 1/2 ft.	25c	2.50	
<i>Japonicus Excelsior</i>			Dark Orange	2 ft.	25c	2.50	
<b>VALERIANA</b> .....Garden Heliotrope							
<i>Officinalis</i>		June-July	Rose Pink	3 ft.	15c	1.50	Should be planted in every garden, thrives well in partial shade and are prized for the sweetness of the blossom.
<b>VERONICA</b> .....Speedwell							
<i>Elegans</i>		July-Aug.	White	2 ft.	15c	1.50	A charming plant to group in the hardy flower border, cemetery or as specimens in the lawn. The tall spikes, covered with long thread-like hairs is without an equal for planting in situations above mentioned.
<i>Longifolia Subsessilis</i>		July-Aug.	Blue	2 1/2 ft.	15c	1.50	
<i>Spicata</i>		July-Aug.	Bright Blue	18 in.	15c	1.50	
<i>Spicata Alba Nana</i>		June-Oct.	White	12 in.	20c	2.00	
<i>Rupestris</i>		May-June	Bright Blue	4 in.	15c	1.50	
<b>VINCA Minor</b> .....Green Myrtle							
		June	Blue	4 in.	10c	1.00	Should be planted in every garden, thrives well in partial shade and are prized for the sweetness of the blossom.
<b>VIOLA</b> .....English Violet							
		May-June	Dble. Deep Purple	8 in.	25c	2.50	A charming plant to group in the hardy flower border, cemetery or as specimens in the lawn. The tall spikes, covered with long thread-like hairs is without an equal for planting in situations above mentioned.
<b>YUCCA Filamentosa</b> ....Adams Needle							
		June-July	Pure White	4-5 ft.	15c	1.50	
Of these we can supply Seedlings at 10c each, \$1.00 per doz.; larger plants at 25c, 50c, 75c and \$1.00 each, according to size.							



# ORNAMENTAL and FLOWERING SHRUBS



We invite a visit to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. We have a choice lot of specimens such as are not usually seen. Our nursery is located at Western Springs, two blocks south of 47th Street, the continuation of East Boulevard.

There is nothing that will add to the beauty and value of the home so much as well selected or judiciously planted shrubs, and considering their very moderate cost and the fact that they last forever when properly cared for, is the best reason why they should surround every home. Our list includes only varieties and kinds which have proven to be hardy, beautiful and vigorous. We shall always be pleased to make suggestions as to the best varieties to plant for certain purposes or locations.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared to stock that is never moved from the cutting beds until sold.

**Specimens.** This term is applied to shrubs that are perfect both in

height and diameter as well as shape and are recommended where immediate effect is desired.

**SHIPPING DIRECTIONS:** Shrub orders amounting to \$5.00 and over include prepayment either by express or freight, within limits of Chicago. Otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

## REGARDING PRICES

Where the price for  
each is—

\$0.10, we supply 3 for.....	\$0.25, 12 for.....	\$1.00	\$0.60, we supply 3 for.....	\$1.70, 12 for.....	\$6.50
.15, " " 3 " .....	.40, 12 " .....	1.50	.65, " " 3 " .....	1.80, 12 " .....	7.00
.20, " " 3 " .....	.55, 12 " .....	2.25	.70, " " 3 " .....	1.90, 12 " .....	7.25
.25, " " 3 " .....	.65, 12 " .....	2.50	.75, " " 3 " .....	2.10, 12 " .....	8.00
.30, " " 3 " .....	.80, 12 " .....	2.85	.80, " " 3 " .....	2.20, 12 " .....	8.50
.35, " " 3 " .....	1.00, 12 " .....	3.75	.85, " " 3 " .....	2.35, 12 " .....	9.00
.40, " " 3 " .....	1.10, 12 " .....	4.25	.90, " " 3 " .....	2.50, 12 " .....	9.50
.45, " " 3 " .....	1.20, 12 " .....	4.60	.95, " " 3 " .....	2.65, 12 " .....	9.75
.50, " " 3 " .....	1.35, 12 " .....	5.25	1.00, " " 3 " .....	2.75, 12 " .....	10.00
.55, " " 3 " .....	1.45, 12 " .....	5.75			

### ALMOND, DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, blooming in early Spring. The flowers are double and are either pink or white.

Double Pink or Double White, 1½ ft 30c, 2½ ft 40c.

### ALTHEA (Rose of Sharon) (A)

A free-flowering shrub of easy culture and very desirable on account of blooming in August and September. Flowers resemble a double hollyhock.

Double Red, 3 to 3½ ft, 40c. 4 to 4½ ft, 60c.

" Purple, 2 to 3 ft, 35c. Double Pink, 3½ to 4 ft, 45c.

" White, 3 to 4 ft, 40c. Single Blue, 2 to 3 ft, 35c.

### AMELANCHIER VULGARIS (European June-Berry)

This variety blooms in early Summer. The flowers are white and the leaves color beautifully in the fall. 2 to 3 ft, 35c, 3 for \$1.00, doz \$3.50.

### AMORPHA FRUTICOSA (False Indigo) (B)

This large-growing shrub has dense terminal panicles of pretty, odd and attractive bluish flowers in July. 3-year, 35c, 3 for \$1.00, doz \$3.50.

Canescens. (B.) A small native shrub bearing light purple flowers, June. 3-year 35c.

### ARALIA (Hercules Club)

Maximowiczii. (A.) A remarkably small tree with upright spiny trunk. Leaves rich deep green, on strong, long stems. 4 to 5 ft 75c.

Pentaphylla. (B.) A pretty Japanese shrub of medium size and rapid growth, branches furnished with spines, leaves palmate, five lobed. 5 to 6 ft 75c.

Spinosa. (A.) A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 4 to 5 ft 60c

### ARTEMISIA ABROTANUM (Southernwood or Old Man) (C)

A deciduous shrub well known for its fragrance. Extra strong bushes. 10 to 12 in 10c, 1 ft bushy 20c, 1½ to 2 ft 35c.

### AZALEA MOLLIS (C)

A beautiful species from Japan, with large flowers of various shades of yellow, orange, carmine, etc. Large bushy plants full of buds. Each 75c, 3 for \$2.10, doz \$8.00.

### BACCHARIS

Halimifolia. (Groundsel Shrub.) (B.) The whitish flowers of this, though not unattractive, are not as ornamental as the down clusters of seed which appear in late Summer. A good sea-shore shrub. 10 to 12 in 20c, 4 ft 40c.

### BERBERIS

Ilicifolia. (Holly-leaved Barberry.) (B.) The thick spiny evergreen leaves of this species give it a very close resemblance to the holly. 1 to 1½ ft 50c 2 ft bushy 75c, 2½ to 3 ft \$1.00.

Japonica. In habit of growth between Vulgaris and Thunbergii, having the same spreading habit of the latter but growing taller. The bark of the young branches is a beautiful red-brown. The foliage colors up magnificently in the Fall and remains on the bushes much longer than Thunbergii. 2 to 2½ ft 35c, 3 to 4 ft, Specimens, 75c.

Purpurea. (Purple-leaved Barberry.) (B.) Especially remarkable for its dense upright growth and its brilliant purple foliage and fruit. When full grown, plants attain a height of 4 to 5 ft., but can be kept at any height below this by shearing. It is very valuable as a border for walks and drives. Splendid for a hedge, also good as single specimens on the lawn. Endures partial shade and is perfectly hardy. 1 year Seedlings, 10 to 12 in, 10c each, 100 \$5.00; 2 to 3 ft, 30c each, 100 \$20.00; 3 to 4 ft, 35c each, 100 \$22.00; Specimens, 4 to 5 ft, 60c each.

Thunbergii. (Japanese Barberry.) (B.) One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the Fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the Fall and Winter. It seldom grows over 4 ft. high. It is fine for the edge of a terrace and along roads and walks. Plant 15 to 18 in. apart. 1-year, Seedlings, 10c each, 100 \$5.00; 1 year, 12 to 18 in, 15c each, 100 \$8.00; 2-year, 15 to 18 in, 30c each, 100 \$15.00; 3-year, 18 to 24 in, 40c each, 100 \$25.00; 4-year, Strong, 50c each, 100 \$30.00; 5-year, 2 to 3 ft, Extra, 75c each, 100 \$50.00; Specimens, \$1.00 each.

Vulgaris. (European Barberry.) (B.) A handsome shrub suitable for hedge, with yellow flowers in May and June, followed with orange-scarlet fruit. 1-year, Seedlings, 10 to 12 in, 10c each, 100 \$5.00; 1 to 2 ft, 25c each, 100 \$15.00; 2 to 3 ft, 40c each, 100 \$25.00.





**BERBERIS THUNBERGII** (Japanese Barberry) See Preceding Page

**CALYCANTHUS** (Sweet Shrub) (B)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant, flowers are of a rare chocolate color, having an exquisite pineapple fragrance. They bloom in June and at intervals after.

Florida, 2 to 3 ft, 35c; 3 to 4 ft, 50c; 4 ft. Specimens, 75c.

**CARAGANA SIBERICA** (Siberian Pea Tree) (A)

Bush or low tree. Pea-shaped yellow flowers in May. 3 to 4 ft, 35c.

**CATALPA BUNGEI** (B)

We have extra fine stock in bush form, as round as a ball; fine for a single specimen on the lawn. Bushes 5 to 6 ft. high, many branches, 75c.

**CEANOTHUS AMERICANA** (Jersey Tea) (B)

A small shrub, with a profusion of white flowers, in crowded panicles, in June. One of the best shrubs for growing in shady places.

1 to 1½ ft, 35c.

**CEPHALANTHUS OCCIDENTALIS** (Button Bush) (B)

A tall-growing native shrub with globular heads of white flowers in July. 3 to 4 ft, 40c.

**CHIONANTHUS VIRGINICA** (White Fringe Tree)

Large shrub or small tree, with large, heavy leaves almost hidden in Spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best, choicest lawn ornaments. Attains a height of 9 to 15 ft.

18 to 24 in., 25c; 2 to 3 ft, 35c; Specimens, 4 to 5 ft, 75c and \$1.00.

**CLETHRA ALNIFOLIA** (Sweet Pepper Bush) (A)

A grand shrub covered with spikes of clear white fragrant flowers in August. 2 ft. Bushy, 35c.

**COLUTEA ARBORESCENS** (C)

A large shrub with small, delicate foliage and yellow pea-shaped blossoms, flowers in June and July, followed by reddish pods.

3 to 4 ft, 40c; Specimens, 5 to 6 ft, 75c.

**CORCHORUS** (Kerria)

**Japonica Aurea Var. (C.)** A graceful shrub, 4 to 5 ft. high, with double yellow flowers from early Summer till Fall. As pretty as a rose. Flowers very ornamental as a plant for lawn. Foliage edged green and yellow. 1 to 2 ft, 35c.

**Japonica Argentea Var. (B.)** A pretty dwarf variety with small, green foliage, edged white; slender grower. A valuable dwarf shrub. 1 to 1½ ft, 30c.

**Japonica Flore Albo.** Double White, 12 to 18 in, 50c.

**Japonica Flore Pleno.** Double Flowered. This fine old shrub is found in all collections. It is of a spreading habit. Its double yellow blossoms, which are about 1 in. in diameter appear early in May, one from each leaf axil. It is excellent for massing. 2 ft, 40c.

**Laciniata.** Single yellow flower, lacinated foliage desirable. 12 to 18 in, 35c.

**CORNUS** (Dogwood)

**Alternifolia.** (Blue Dogwood.) (B.) A pretty, large shrub; forms almost a flat head. The bunches of white flowers borne in May are followed by deep blue berries. 2 to 3 ft, 45c.

**Gouchaultii.** Yellow and green variegated foliage, with red bark, attractive. 2 to 2½ ft, 60c.

**Mas.** (Cornelian Cherry.) (B.) One of the earliest of Spring blooming shrubs, bearing a profusion of small, yellow flowers along its naked branches in early days of April. Bright red berries, size small cherries; very ornamental. 2 to 3 ft, 45c.

**Sanguinea.** (Red-branched Dogwood.) (B.) Very conspicuous and ornamental. Bark in Winter blood-red. 3 to 4 ft, 40c.

**Sericca.** (Silky Dogwood.) A reddish-stemmed variety, producing its corymbs of white flowers late in June, followed by pretty blue berries in October. 2 ft, 45c.

**Siberica.** (Red Siberian Dogwood.) (B.) A rare and remarkable variety with bright red bark in Winter. Seedlings, 10 to 12 in, each 10c, 100 \$6.00; 2 ft, each 30c; 3 to 4 ft, Bushy, each 50c; 4 to 5 ft, Specimens, 75c and \$1.00.

**Stotonifera Aurea** (Golden-barked Dogwood.) Similar to Siberica. Its bark is of a yellow hue. 2 to 3 ft, 50c.

**COTONEASTER**

**Simonds.** Small white flowers, followed by red berries in Autumn; very effective. 2½ to 3 ft, 50c.

**DEUTZIA LEMOINEI**

**CRAB** Bechtel's Double Flowering (A)

Most beautiful of all the flowering Crabs for this locality; hardy. Trees of medium size are covered in early Spring with large, beautiful double fragrant flowers of a delicate pink. 4 to 5 ft, \$1.50 to \$1.75 each.

**CURRANT**

Crimson and yellow flowering, see Ribes.

**CYDONIA JAPONICA** (B) (Japan Quince)

A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in Spring. Valuable for ornamental hedges.

2 ft. Bushy, 35c; 3 to 3½ ft. Bushy, 50c; 4 ft. Specimens, 75c and \$1.00.

**Gaujardi. (B.)** Orange-colored flowers. Large showy fruit. Forms a large shrub. Fine 3 to 4 ft, 60c.

**Umblicata. (B.)** Flowers brilliant rosy red. Succeeded by large showy fruit. Forms a large shrub. One of the finest, 3 ft, 50c.

**DESMODIUM PENDULIFLORUM** (C)

A shrub-like plant which dies to the ground in Winter, but comes up vigorously each Spring. Bears attractive sprays of bright rose-colored flowers. 3-year, 40c.

**DEUTZIA**

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers render them among the most beautiful and most popular of flowering shrubs at the present time. Flowers in June and through July and August.

**Candida fl. pl. (B.)** Pure white flowers.

2½ ft. bushy, 40c; 5 ft. Specimens, 75c and \$1.00.

**Crenata Candidissima. (B.)** Flowers double pure white in erect panicles 2 to 4 in. long. Leaves dull green, rough on both sides. 3 to 4 ft, 40c.

**Crenata fl. pl. (B.)** Double white flowers.

12 to 18 in, 25c; 5 ft. Specimens, 75c.

**Crenata rosea fl. pl. (B.)** Strong symmetrical shrub, bearing double pink flowers in June. 3 to 4 ft, 40c; 5 ft. Specimens, 75c and \$1.00.

**Fortunei. (B.)** Large, pure white, single flowers.

4 ft, 50c; 5 to 6 ft. Specimens, 75c and \$1.00.

**Lemoinei. (B.)** A hybrid of the well-known Deutzia gracilis with Deutzia parviflora. Flowers pure white, borne on stout branches, upright growth. 2 to 2½ ft, 35c; 2½ to 3 ft. Specimens, 75c.

**Lemoinei Compacta. (C.)** New. The dwarf, compact bushes are covered completely with white flowers during May and June. 3 ft. Specimens, 75c and \$1.00.

**Pride of Rochester. (B.)** A variety of Deutzia Crenata flore pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit; blooms nearly a week earlier than D. Crenata flore pleno. 3 to 4 ft, 40c.

**Waterl. (B.)** A new form with double white, bell-shaped blossoms. 3 to 4 ft, 40c.

**Welsli. (C.)** Another variety with double white flowers. Price same as Waterl. 3 to 4 ft, 40c.

**DIERVILLA** (See Weigelia, also)

**Sessilifolia.** A native shrub, 3 to 4 ft. high, of somewhat spreading growth, bearing terminal, loose heads of yellow flowers in July, continuing for some weeks. 12 to 18 in, 30c; 3 to 4 ft, Specimens, 60c.

**DOGWOOD** (See Cornus)

**ELEAGNUS** (Silver Thorn)

**Angustifolia. (B.)** Sweet-scented flowers in May or June; narrow leaves; hardy. 2 ft, 25c; 2 to 3 ft, 35c; 5 ft, 60c; 5 to 6 ft. Specimens, 75c.

**Longipes. (Edulis. (B.)** Small, yellowish white flowers in May, followed by berries somewhat larger than currants; good for eating or cooking. 1½ ft, 30c; 2 to 3 ft, 40c, 4 ft. Specimens, 75c and \$1.00.

**ELDERS** (Sambucus)

Much in demand for the beautiful leaves. The flowers and fruits are also showy and attractive. Grows well anywhere and needs pruning to keep it in shape.

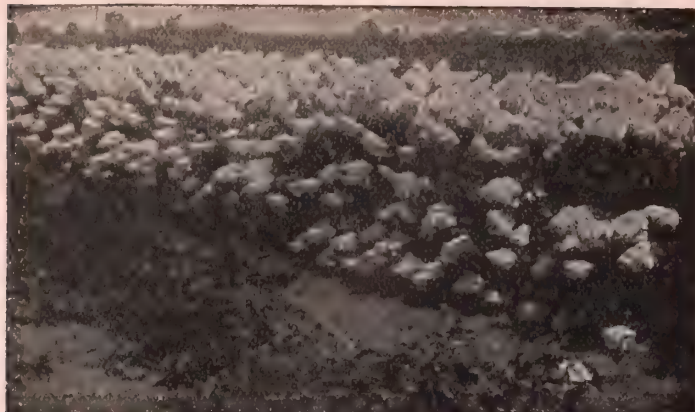
**Aurea. (Golden-leaved.) (A.)** The golden foliage of this makes it in much demand. It makes a showy appearance when planted in shrub beds. 12 to 18 in, 15c each, \$8.00 per 100; 2 to 3 ft, 30c; 4 ft, 40c.

**Laciniata. (Cut-leaved.) (A.)** Has finely dissected leaves. 18 to 24 in, 25c; 5 to 6 ft. Specimens, 75c.

**Nigra. (15 to 20 ft.)** The European Elder. 12 to 18 in, 25c.

**Variegata aurea. (A.)** Leaves variegated yellow and green 6 ft. Specimens, 75c and \$1.00.



**HYDRANGEA PANICULATA GRANDIFLORA****EUONYMUS (Burning Bush)**

**Alatus. (B.)** Dwarf, compact habit. Wood corky; leaves small; fruit red; very beautiful in Autumn, when the foliage turns bright red. 1 ft. 65c; 2 to 3 ft. \$1.00; 2 to 2½ ft. Select, \$1.35; 4 ft. Specimens. \$3.00, \$4.00 and \$5.00 each.

**Europaeus. (European Burning Bush.) (B.)** Forms a tree sometimes 30 ft. in height. Rose-colored fruit. 12 to 18 in. 20c; 3 to 4 ft. 40c; 4 to 5 ft. 65c.

**Linearis. (C.)** A pretty shrub of dwarf habit; foliage narrow, becoming purple in Autumn; fruit red; fine for rockeries. 12 to 18 in. 20c.

**EXOCHORDA GRANDIFLORA (Pearl Bush) (A)**

A vigorous-growing shrub, forming a neat compact bush. Can be trimmed into any desired shape. Pure white flowers borne on slender racemes, on light and wiry branches that bend beneath their load of bloom. Hardy. 2 to 3 ft. 40c; 3 to 4 ft. 60c.

**FONTANESIA FILARIAEFOLIA (B)**

A large shrub with somewhat slender shoots and small leaves. Bearing small clusters of small white flowers with yellowish anthers, towards the close of May. 3 ft. 35c; 4 to 4½ ft. 50c; 5 to 6 ft. Specimens, \$1.00.

**FORSYTHIA (Golden Bell)**

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden yellow, and appear very early in Spring before the leaves. The best very early flowering shrubs. Admired by thousands in Chicago parks.

**Fortunell. (Fortune's Forsythia.) (B.)** Growth upright, foliage deep green, flowers rich yellow. 1½ to 2 ft. 15c; 4 to 5 ft. 40c; 6 ft. 60c; 6 to 7 ft. Specimens, \$1.25.

**Intermedia (B.)** A wide-growing form, with fine broad foliage and a dense habit. 1 ft. 15c, per 100 \$8.00; 2½ to 3 ft. 30c; 3 to 4 ft. 40c.

**Sieboldi. (B.)** Of drooping habit, flowers bell-shaped, light yellow; very pretty. 3 to 4 ft. 40c.

**Suspensa. (The Weeping Forsythia.) (B.)** Fine drooping habit and covered with bright yellow flowers in early Spring. 3 to 4 ft. 40c; 4 to 5 ft. 60c.

**Vireidissima. (B.)** A very pretty shrub of medium height; perfectly hardy in this country. The plant is covered with drooping yellow flowers, blooming very early in Spring with the lilacs. 2 ft. 20c; 2 to 3 ft. 30c; 5 to 6 ft. Specimens, 75c; 6 ft. Specimens, \$1.25.

**HALESIA TETRAPTERA (A)****(Snowdrop Tree, or Silver Bell)**

A beautiful shrub, with pretty white, bell-shaped flowers. May and June. Very beautiful. 2 ft. 35c; 3 to 4 ft. 60c.

**HAMAMELIS VIRGINICA (Witch Hazel) (B)**

A tall-growing shrub, yellow bell-shaped flowers. May and June. 10 to 12 in. 20c.

**HIGHBUSH CRANBERRY (See Viburnum Opulus)****HIPPOPHAE RHAMNOIDES (B) (Sea Buckthorn)**

A rigid growing shrub, with leaves of silver color on the underside. 3 to 4 ft. 35c.

**BUSH HONEYSUCKLE (Lonicera Tartarica)**

A shrub of spreading habit, bearing bluish-colored berries. All the upright or bush honeysuckles are vigorous shrubs and suited to almost any soil or exposure. Valuable for shrubberies and for their profusion of flowers and bright-colored fruit.

**Alberti.** Violet bell-shaped flowers, leaves narrow. A very hardy variety, somewhat creeping. 3 ft. Bushy, 35c.

**Bella Candida.** A fine variety, producing fruit of red color in great profusion. 3 ft. 35c.

**Ledebouri. (B.)** A distinct species with red flowers in May; pretty. 4 ft. 50c.

**Morrowii. (Japanese Bush Honeysuckle.) (B.)** A strong, vigorous grower with pure white flowers produced in May and June, followed by brilliant-colored fruit. 2 ft. 30c; 4 to 5 ft. 50c; 5 to 6 ft. Specimens, 75c and \$1.00 each.

**Tartarica Alba. (White Tartarian.) (B.)** 3 to 4 ft. 35c; 4 to 5 ft. 50c.

**Tartarica Rosea. (Pink Tartarian.) (B.)** 1½ ft. 20c, per 100 \$12.00; 2½ to 3 ft. 35c; 3 to 4 ft. 50c; 4 to 5 ft. 65c.

**HYDRANGEA PANICULATA GRANDIFLORA (A)**

Tens of thousands of this noble Summer and Autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in Autumn, commencing to bloom in August, when very few shrubs are in bloom. To make a fine specimen, the soil should be prepared as for any other shrubs. An annual shortening of branches tends to increase the size of the flowers. When first planted, the branches should be cut back 6 or 8 inches off the main stalk.

3-year, 25c, per 100 \$16.00; 4-year, 40c, per 100 \$30.00; 5-year, 50c, per 100 \$35.00; Specimens, 75c and \$1.00.

**HYDRANGEA PANICULATA (Tree Form) (A)**

These plants have a clear stem about 3 feet long, with a bushy top, making a grand show when in flower. 75c each, Extra Select \$1.00.

**NEW HARDY HYDRANGEA "SNOWBALL" (C)****(Arborescens Grandiflora)**

This new American Hydrangea was found growing wild some years ago in the woods of Ohio and bids fair to become the most beautiful hardy flowering shrub introduced during the last twenty years. Its greatest value, aside from its wonderful beauty, is that it comes into bloom just after the flowering time of the lilacs, syringas, viburnum and spring-flowering spireas and further it continues on into August. The panicle is more like a Snowball in form and size than Paniculata grandiflora (hence the name), and is a pure white. It seems to thrive well in various soils, but requires shade. We offer strong dormant plants. 3-year, 75c; 4-year, \$1.00.

**LIGUSTRUM (See Privet)****LILACS (True Syringa) (B)**

**Alba Grandiflora.** Flowers pure white and very fragrant. Strong bushes. 18 to 24 in. 20c, per 100 \$14.00; 3 to 4 ft. 50c, per 100 \$38.00; Specimens, 4 to 5 ft. 75c; 6 ft. \$1.00 and \$1.25.

**Alphonse Lavalle.** A variety bearing beautiful double flowers of a rare blue color. 2 to 3 ft. 50c.

**Amurensis.** Blooms in June. Large white trusses. Very fine. 2 to 3 ft. 50c.

**Bertha Dammann.** Magnificent pure white flowers, borne on large spikes. 2 to 3 ft. 60c; 3 to 4 ft. 75c; Tree Form, 4 to 5 ft. \$1.00 each.

**Charles X.** A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish purple color. Strong bushes. 2½ to 3 ft. 50c; 3 to 4 ft. 75c; 4 to 5 ft. Specimens, \$1.00; 5 ft. Specimens, \$1.25; Tree Form, 4 to 5 ft. \$1.00 each.

**Japanica.** A species from Japan, becoming a good-sized tree. Foliage dark green, glossy, leathery; flowers creamy white, odorless, in great panicles. A month later than other Lilacs. 3 to 4 ft. 75c; 5 ft. Specimens, \$1.25.

**Syringa Josikaea.** Has dark lilac-colored flowers. It blooms the first week in June. It is distinct and valuable. 1½ to 2 ft. 35c.

**La Tour d'Auvergne.** A Lilac with large and very double flowers of a beautiful violet hue. 2 ft. 50c.

**Le Gaulois.** Handsome, double, deep crimson flowers produced in very large panicles. A splendid sort. 4 to 5 ft. Specimens, \$1.25 each.

**Mad. Lemoine.** Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft. 60c; 3 to 4 ft. 75c; 5 to 6 ft. Specimens, \$1.50.

**Marie Legraye.** Large panicles of white flowers. Valuable for forcing. The finest white Lilac. 3 to 4 ft. 75c; 5 ft. Specimens, \$1.50.

**Michael Buchner.** Dwarf plant, vigorous. Double flowers of pale lilac color. 3 to 3½ ft. 60c; 4 ft. 75c; 4 to 5 ft. Specimens, \$1.25.

**Persian, Purple.** Same habit as the white except in color of the flowers, which are a bright purple. Strong plants. 18 to 24 in. 30c, per 100 \$20.00; 4 ft. Bushy, 75c; 4 to 5 ft. Specimens, \$1.00; 6 ft. Specimens, \$1.50.

**President Grevy. (C.)** A beautiful blue; individual flowers very double and very large, measuring three-quarters of an inch in diameter; the panicle is magnificent and measures 11 inches in length and 5 inches across. One of the finest Lilacs. 2 ft. 50c.

**Rubra de Marley.** The old-fashioned purple Lilac. Strong bushes. 18 in. 25c, per 100 \$16.00; 3 to 4 ft. Bushy, 50c, per 100 \$38.00; 4 ft. Specimens, \$1.00; 5 ft. Specimens, \$1.50.

**Souv. de L. Späth.**

The individual flowers as well as the clusters are of extraordinary size and in color a magnificent rich, dark purple. 3 to 4 ft. 75c.

**Villosa. (C.)** A species from Japan. Large branching panicles; flowers light purple in bud, white when open; fragrant; foliage resembles that of the White Fringe. Especially valuable, as its flowers appear two weeks after those of other Lilacs. 35c each.

**Vulgaris. (Common Lilac.)** Bluish purple flowers. A standard variety. Always good. 18 in. 20c; 2 to 3 ft. 40c.

**LILAC, CHARLES X**



## LIGUSTRUM (Privet)

- Amurense.** (Amoor Privet.) (B.) A more slender grower than the common Privet; the foliage is finer and of a lighter green than that of the California. A fine hedge plant. 12 to 18 in, 15c each, \$6.00 per 100; 18 to 24 in, 20c each, \$10.00 per 100.
- California.** (B.) This Privet has gained an immense popularity for hedging, but we found it unable to always stand the Illinois Winters and can recommend it only for the Eastern and Southern states. 12 to 18 in, 15c each, \$6.00 per 100; 1½ to 2 ft, 20c each, \$8.00 per 100.
- Clilatum.** Small Japanese shrub with pointed elliptical leaves, white flowers followed by black berries the size of a pea. 12 to 18 in, 15c each, \$8.00 per 100.
- Ibota.** (B.) A valuable hardy Privet for the Western and Northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens on the lawn. 12 to 18 in, 15c each, \$8.00 per 100; 3 to 4 ft, Bushy, 35c each, \$20.00 per 100.
- Regelianum.** (B.) This beautiful, graceful Privet is absolutely hardy and most desirable in every way. It is a dense shrub with stiff, twiggy, horizontal, spreading branches, drooping at the ends. An excellent shrub for specimens, massed planting or hedges. It will become one of the most popular varieties as soon as it is better known. It forms a graceful, symmetrical bush, sufficiently dense for hedge purposes without trimming. Effective when massed against buildings or on slopes or banks. 12 to 18 in, 15c each, \$8.00 per 100; 2½ to 3 ft, Bushy, 50c; 3 to 4 ft, Specimens, 75c and \$1.00.

## DWARF CHINESE PRIVET

- Sinense nanum.** (Dwarf Chinese Privet.) (B.) A compact, low-growing Privet, resembling the English Box. Can be kept as low as 12 to 18 ins. with shearing, thus forming a compact, low hedge. Dark green slender foliage. Perfectly hardy in Southern Illinois. 4 to 5 ft, Very bushy, 40c each, \$30.00 per 100.
- Vulgare.** (European Privet.) (B.) Very useful for hedges; can be clipped any shape. Grown as single specimens it produces panicles of white flowers in June. The foliage is of a lighter green than the other sorts. Its black berries remain on the bush all winter, and are quite ornamental. 12 to 20 in, 15c each, \$6.00 per 100.

## HARDY MAGNOLIAS

- We offer the two varieties best adapted to our climate, and that have proven hardy in Chicago.
- Halleana** (Japan Magnolia.) Dwarf and shrubby. Its pure white semi-double flowers are quite fragrant and produced in April; earlier than those of other varieties, new and scarce. Bushes, 3 ft. high, each \$3.00.
- Soulangeana.** Flowers white and purple, 3 to 5 ins. across, borne in May, before its leaves, which are massive and glossy. Among the hardest and finest of foreign Magnolias. Bush, 4 ft. high, each \$3.00.

## MAHONIA

- Aquifolia.** (Holly-leaved Mahonia.) A native species of medium size, with purplish, shining prickly leaves, and showy, bright yellow flowers in May, succeeded by bluish berries. Its handsome, deep green, glossy foliage and neat habit, render it very popular for decorative planting. 3-year, 10 to 12 in, 30c; 4-year, Bushy, 12 in, 50c.

## MULBERRY

- Tartarica.** (Russian.) (20 to 25 ft.) Hardier in the Northwest than all others. 6 to 8 ft, 40c; 7 to 9 ft, \$1.25 each.

## PHILADELPHUS, OR SYRINGA (Mock Orange)

- Indispensable well-known shrubs that are prized for their beautiful foliage and white flowers. The taller kinds flower profusely and nothing is finer in their season; while the dwarf varieties do not bloom so lavishly, they form pretty, compact bushes, useful for the front of shrubberies.
- Avalanche.** (B.) New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new-fallen snow. 3 ft, each 70c.
- Coronarius.** (A.) A grand old favorite shrub. Should be in every yard. Covered with sweet-scented white flowers in June, resembling those of the apple tree. 2 ft, Bushy, each 40c.
- Dianthiflorus fl. pl.** (B.) A dwarf-growing variety, with double cream-colored, fragrant flowers. 2 to 2½ ft, Bushy, 40c; 2 to 2½ ft, Specimens, 75c.
- Grandiflorus.** (A.) Large-flowered Syringa, fragrant with flowers 12 to 18 in, 20c each, \$12.00 per 100; 4 to 5 ft, Specimens, 75c. 5 to 6 ft, Specimens, \$1.00; 6 to 7 ft, Specimens, \$1.25.
- Lemoinei.** (B.) A charming variety of erect growth; yellowish white fragrant flowers. 8 to 10 in, 15c each, \$8.00 per 100; 2½ to 3 ft, 40c.
- Mont blanc.** Attaining 5 feet in height, erect branches, entirely covered with large fragrant flowers. 2½ to 3 ft, each 40c.
- Nivalis.** (A.) The stamens are cream-colored, thus rendering the whole flower snowy white. Flowers inodorous. 12 to 18 in, 20c each, \$12.00 per 100.
- Purpureo maculatus.** Makes a small compact bush of about 3 feet in height; flowers at the end of axillary branches are well opened, large, with four pure white petals, and a large purplish rose-spot in the center. 2 ft, Bushy, 35c each.
- Speciosus.** (A.) Large, pure white flowers. Very fine shrub. 3 to 4 ft, 35c, 5 ft, Specimens, 60c each.
- Zeheri.** (A.) A large-flowered, odorless variety; blooms very late. 4 to 5 ft, Bushy, 60c each.

## OTHELLO PLUM See Colored Insert

Size	A.	B.	C.	D.	Each	3 for.	Dozen
5	to 6 ft.				\$1.50	\$4.50	\$16.00
4	to 5 ft.				1.25	3.50	12.00
3	to 4 ft.				1.00	2.75	9.00
2½	to 3 ft.				.75	2.00	7.50
2	to 3 ft.				50c each.		



PHILADELPHUS SYRINGA

## PRUNUS

- Pissardi** (Purple-leaved Plum.) (A.) The finest purple-leaved small tree or shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint till they drop, later in Autumn. The tree is covered early in the Spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 1 to 2 ft, 30c each; 3 to 5 ft, 60c.
- Triloba.** (Double-flowered Plum.) (B.) Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May. 2 to 3 ft, 40c each.

## PTELEA

- Trifoliata.** A large shrub or small tree, of rapid growth and robust habit. Fruit winged, and in clusters, flowers in June. 12 to 18 in, 15c each, \$8.00 per 100.
- Trifoliata aurea.** (Golden-leaved Hop tree.) (A.) A round, low-growing tree with large trifoliate leaves, and with a glossy surface that brings out the rich, solid yellow of the leaves, as if varnished. Useful in a lawn border or group. 3 to 4 ft, 45c; \$1.20 for 3; 4 to 5 ft, Specimens, 75c.

## RHAMNUS (Buckthorn)

- Catharticus.** (A.) A fine, robust shrub, with dark, green foliage, white flowers and small black fruit. A popular hedge plant. 12 to 18 in, 15c each, \$8.00 per 100; 2 to 3 ft, 25c each, \$20.00 per 100; 5 ft, 40c each, \$30.00 per 100; 5 to 6 ft, 50c each, \$38.00 per 100.
- Frangula.** (B.) (Alder Buckthorn.) A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in Winter. 5 ft, 40c each; 5 to 6 ft, 50c each.
- Imeritina.** (B.) A variety remarkable for its foliage. The leaves are dark and sometimes reach a length of nine inches, assuming a rich bronze tint when full grown. 2 ft, 50c each; 3 ft, 65c each.
- Purshiana.** (B.) A rare shrub, valuable for its long dark leaves and red berries which turn to black in the Fall. 4 to 5 ft, 50c each.

## RHODOTYPUS (White Kerria)

- Kerriodes.** (C.) A very ornamental Japanese shrub of medium size, with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous small fruits. 1 to 2 ft, Bushy, 30c; 3 to 4 ft, Bushy, 45c; 4 to 5 ft, Specimens, 75c.

## RHUS COTINUS (Purple Fringe, or Smoke Tree.)

- A common old shrub that is known under the name of "Purple Fringe," or "Smoke Tree," but rarely seen in perfection because of bad pruning. In good soil and allowed to develop naturally, it is exceedingly ornamental. 3 ft, 35c; 3 to 5 ft, 50c; Specimens, \$1.00 each.
- Rhus glabra.** (Smooth Sumach.) Very effective in Autumn with its crimson seeds and foliage. 3 to 4 ft, 50c; 8 to 10 ft, \$1.00 each.
- R. glabra laciniata.** (Cut-leaved Sumach.) A very striking plant, of moderate size, with deeply cut leaves resembling fern leaves; dark green above and glaucous below, and turning to a rich red in Autumn 3 ft, 40c each.
- R. typhina.** (Staghorn Sumach.) A large shrub or tree, brilliant foliage and scarlet fruit in autumn. 2 to 3 ft, 35c each.

## FERN-LEAVED STAGHORN SUMACH

### (Rhus typhina laciniata)

As its name indicates, the branches resemble the elks horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and as beautiful as a tree fern. A rare novelty originating in the White Mountains. Attains height of 20 ft., but is generally used as a shrub. It turns a golden yellow in the Fall 2 to 3 ft, 50c each.



**VIBURNUM STERILIS—OLD FASHIONED SNOWBALL.****RIBES, or FLOWERING CURRANT**

- Alpinum. (B.)** An attractive shrub with fragrant golden-yellow flowers and deep scarlet fruit. 2½ ft. Bushy, 40c.  
**Aureum. (B.)** (Yellow-flowering, or Missouri Currant.) A native species, with glabrous shining leaves and yellow flowers. June and July. 3 to 4 ft, 35c; 4 to 5 ft, 50c; 4 to 6 ft, Specimens, 75c.  
**Gordonianum. (B.)** (Gordon's Currant.) A hybrid between Aureum and Sanguineum. Hardy and profuse blooming shrub. Flowers crimson and yellow in pendant bunches in May. 3 to 4 ft, 40c.

**ROBINIA HISPIDA (Rose Acacia) (A)**

A very handsome shrub. The branches closely resemble those of a Moss Rose. The leaves are similar to those of the Locust. In June and July long panicles of rose-colored flowers hang from the branches. 2 to 3 ft, 50c.

**RUGOSA ROSES and THEIR HYBRIDS (See Roses)**

**Rosa rubiginosa.** (True English Sweet Briar.) Valuable for the refreshing fragrance of its leaves. This is the true Eglantine. No garden should be without a plant of it. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 12 to 15 in, 15c each, \$6.00 per 100; 5 to 6 ft, 40c each, \$35.00 per 100.

**ROSA RUBRIFOLIA (Purple-leaved Rose)**

Valued for its beautiful reddish green foliage, as well as for its pink flowers in early June. It is one of the most attractive shrubs, especially when set among a mass of other shrubs or planted by itself in groups. 2½ to 3 ft, 35c.

**SAMBUCUS (See Elder)****SALIX (Willow)**

- The Willows will grow anywhere, but do best in rich moist soil. They are particularly valuable as among the few trees that will endure the harsh winds of the seacoast. None are better than the Laurel-leaved.  
**Babylonica.** (Weeping Willow.) The stock we offer is grown to bush form, to be used not as a tree, but as a shrub. Strong, bushy plants. Japonica. This has broad, shining green leaves, quite ornamental. 2 to 3 ft, 20c; 6 to 8 ft, 75c.  
**Laurifolia.** (Laurel-leaved Willow.) A rapid grower, erect form, with broad, glossy, dark green leaves; admirable for sea-shore and narrow streets. 2 ft, 10c each, \$6.00 per 100; 2 to 3 ft, 20c; 8 to 10 ft, 75c.  
**Regalis.** Royal Willow. An elegant tree, with rich, silvery foliage.  
**Rosmarinifolia.** Rosemary Willow. This has quite small light green foliage and slender twigs. A desirable ornamental lawn tree. 4 to 5 ft, 75c.  
**Uralensis.** Another beautiful Willow with fine foliage. Strong bushes. 2½ to 3 ft, 35c.  
**Vitellina Purpurea (Purple Osier).** A Red or Purple barked variety, height 5 to 10 ft, and an erect grower and native of Europe. 2 ft, 25c.  
**Viminalis** (Osier Willow, Basket Willow.) A large bush with slender, straight branches, often used for tying material. 2 to 3 ft, 15c each, \$8.00 per 100.  
**Wisconsin Weeping.** Of drooping habit and hardier than Babylonica. Valuable on account of its resistance to severe cold. 8 to 10 ft, 75c.

**SNOWBALLS**

- Japan Snowball. (B.)** (*Viburnum plicatum*.) This Japanese variety of the old-fashioned Snowball is one of the most valuable of our hardy shrubs. It forms an erect, compact bush, 6 to 8 ft. high. It blossoms in early June, when the plant is completely covered from the ground to the top of the branches with large balls of flowers as white as snow. 2 to 3 ft, 50c; 3 to 4 ft, 60c; 4 ft, Select, 75c.  
**Old-fashioned Snowball. (A.)** (*V. sterilis*.) 1½ to 2 ft, 25c; 2½ to 3 ft, 50c; 3 to 4 ft, 60c; 4 to 5 ft, Specimens, \$1.00; Tree form, with 3 ft stem, each \$1.00.

**SPIRÆA VAN HOUTTEI (BRIDAL WREATH)****SPIRÆA (Meadow Sweet)**

The Spiræas are all elegant, low shrubs, of the easiest culture, and their blooming extends over a period of three months.

- Anthony Waterer. (B.)** (Perpetual-blooming Red Spiræa.) A fine, hardy, perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom almost as soon as planted; rose red flowers in large, round clusters all over the bush. 1 ft, Bushy, 20c; 1 to 1½ ft, Bushy, 40c.  
**Arguta multiflora. (B.)** Of dwarf, drooping habit; flowers pure white, commencing to bloom in June; fine foliage. 1 ft, Bushy, 25c; 3 to 3½ ft, 60c.  
**Ariaefolia.** (White-beam-leaved Spiræa.) An elegant species from North West America; habit dense and bushy; plant entirely covered with greenish white blossoms in July. 1 ft, 25c.  
**Aurea. (B.)** Golden-leaved, double white flowers. 12 to 18 in, 25c each, \$10.00 per 100; 2 ft, 30c; 5 to 6 ft, Specimens, 75c and \$1.00.  
**Billardii. (B.)** Pink flowers; blooms nearly all summer. 12 to 18 in, 15c, \$8.00 per 100; 18 to 24 in, 20c, \$12.00 per 100; 4 to 5 ft, 50c; 5 to 6 ft, Specimens, 75c and \$1.00 each.  
**Bumalda. (B.)** Light rose flowers. 1 ft, Bushy, 30c; 2 ft, Bushy, 40c.  
**Callosa alba. (C.)** Dwarf white Spiræa of bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub. 1 ft, 20c, 1 to 2 ft, Bushy, 35c; 2 ft, Bushy, 50c.  
**Callosa. (B.)** The flowers of this are red, and in large flat heads. It blooms the first week in July, and continues for several weeks. 3 ft, 50c.  
**Froebeli. (B.)** Froebel's Spiræa. Choice free blooming sort, with large panicles of rose-colored flowers. 3 ft, 50c.  
**Fortunei Rosea. (B.)** Dark pink flowers, growing 5 to 6 ft. high. Price  
**Opulifolia aurea. (B.)** (Golden-leaved Nine Bark.) An interesting variety, with golden-yellow tinted foliage, and double white flowers in June. Very conspicuous. 12 to 18 in, 25c each, \$10.00 per 100; 2 ft, 30c; 5 to 6 ft, Specimens, 75c and \$1.00 each.  
**Reevesii or lanceolata. (Lance-leaved Spiræa.)** A charming shrub with narrow, pointed leaves, and large, round clusters of white flowers that cover the whole plant, and render it exceedingly effective. Blooms in June. 12 in, 25c; 3 to 4 ft, 40c; 4 to 5 ft, 60c.  
**Sorbifolia. (B.)** A vigorous species, with leaves like those of the Mountain Ash, and long, elegant spikes of white flowers in July. 3 to 4 ft, 35c; Specimens, 75c.  
**Thunbergii. (B.)** One of the first bloomers; pure white flowers. 18 to 24 in, Bushy, 35c.

**SPIRÆA BRIDAL WREATH**

- Van Houttel. (B.)** A splendid garden shrub, entirely hardy, and one of the most beautiful of all; immense bloomers; pure snow-white flowers. 18 to 24 in, 15c each, \$8.00 per 100; 3 ft, Bushy, 30c each, \$22.00 per 100; 4 ft, Bushy, 40c each, \$28.00 per 100; 5 ft, Specimens, \$1.00, \$1.25 and \$1.50 each.

**STEPHANANDRA FLEXUOSA (C)**

A very hardy shrub, resembling the spiræa; flowers white; blooms in July and August. One of the most desirable of the dwarf shrubs, with branches and leaves from the ground; neat and ornamental hedge plant. 1 ft, Bushy, 35c; 12 to 18 in, Bushy, 45c; 2½ to 3 ft, Specimens, \$1.00 each.



## SYMPHORICARPUS (St. Peter's Wort, or Waxberry)

Small native shrubs much used in shaded places and in open masses. They grow well in almost any soil, are quite hardy and very ornamental, especially so when covered with berries in Fall and Winter. They grow 3 to 6 ft. in height, have small leaves and slender branches.

**Heyeri. (B.)** Handsome shrub; blooms freely when small; flowers pretty pink in July and August; berries white. 18 to 24 in, 25c; 3 ft, Bushy, 50c.

**Occidentalis. (B.)** (One of the prettiest of the Snowberries; growth strong and drooping; leaves large; flowers reddish white. 18 to 24 in, 25c; 3 to 4 ft, 50c.

**Racemosus. (B.)** (Snowberry.) July and August. Small red flowers, succeeded by abundant white berries. 10 to 15 in, 15c each; \$8.00 per 100. 3 ft, 35c; 3 to 4 ft, 40c.

**Vulgaris. (B.)** (Indian Currant.) A shrub of very pretty habit. Foliage, flowers and fruit small; fruit purple, hangs all winter. 2½ to 3 ft, bushy, 30c; 3 to 4 ft, specimens, 50c and 75c.

**Vulgaris foliis variegatis. (C.)** Same as the Vulgaris, except in foliage, which is green and white; ornamental shrub. 2½ to 3 ft, 30c; 3 ft, bushy, 40c; 3 to 4 ft, specimens, 75c.



SYMPHORICARPUS RACEMOSUS (SNOWBERRY)

## TAMARIX (B)

Shrubs of strong but slender, upright growth; clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and very ornamental at the back of shrubby borders and valuable for seaside planting.

**African.** Handsome foliage; pink flowers; blooms in May. 2 to 3 ft, 15c each; \$8.00 per 100; 3 ft, 30c; 4 ft, 40c.

**Amurense.** A splendid new hardy variety, with silky pink tassels; flowers all Summer. 2 to 3 ft, 15c; 3 ft, 20c; 5 to 6 ft, specimens, 60c.

**Gallica.** Foliage fine and feathery on long slender branches that are covered their entire length with bright pink plume-like flowers. 2 ft, 30c; 3 to 5 ft, 40c.

**Hispida Aestivalis.** A new variety of vigorous growth. In May the branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. Awarded first prize at the Paris International Exposition in 1900. 3 ft, 45c.

**Indica.** Handsome shrub, with fine foliage, like that of the Juniper. Valuable for planting in sand and soil that few plants will do well in; small pink flowers. 2 to 3 ft, 20c; 4 to 6 ft, specimens, 75c.

**Odessana.** An improvement on Africana, having longer racemes of flowers. 18 to 24 in, 20c; 3 ft, 50c.

**Tetrandia purpurea.** A mass of purplish pink flowers in June and July. 3 to 4 ft, 35c.

## TAXUS Yew

### NEARLY ALL THE YEW'S REQUIRE PROTECTION HERE.

**Baccata.** English Yew. A large bush or tree, 30 to 40 feet when fully grown. It is densely branched and can be trimmed into any shape. 12 to 18 in, 50c.

**Dovastonii.** A drooping variety, foliage dark green, covered with red berries; makes an elegant appearance. 2 to 3 ft specimens, \$2.00.

## THUJA

### (American Arbor Vitae)

**Occidentalis.** American Arbor Vitae. A beautiful native tree, commonly known as the White Cedar; especially valuable for screens and hedges. 10 to 12 in, each 20c, 18 to 24, 40c.

## VIBURNUM

**Cassinoides. (B.)** (White Rod.) A medium-growing, upright shrub, nicely furnished with foliage of a dull green. The yellowish white flowers are followed by an abundant crop of fruit which changes in coloring from green to red and black. A very popular variety; increasing in use. 3 ft, bushy, 60c.

**Dentatum. (B.)** May and June. A free-flowering shrub, especially admired for the abundance of its scarlet fruits that cling to the branches a long time. 3 to 4 ft, bushy, 50c.



KOSTER'S BLUE SPRUCE

## VIBURNUM—Continued

**Lantana. (A.)** (Early White Lantana-leaved Viburnum.) Large, robust shrub, with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 5 to 6 ft, Specimens, 75c.

**Opulus. (A.)** (High-Bush Cranberry.) May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 18 to 24 in, 25c; 2½ ft, Bushy, 45c; 3 to 4 ft, Specimens, 60c; 5 ft, Specimens, 75c and \$1.00.

**Plicatum.** See Japanese Snowball. Sterile. See Snowball.

**Tomentosum. (B.)** (The single form of the beautiful Japan Snowball.) Flowers pure white, in great profusion early in June. Perfectly hardy; vigorous and free-blooming; very desirable. 2 to 2½ ft, 50c; 3 ft, Specimens, 85c each.

## WEIGELIAS (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shape with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

**Amabilis.** Of robust habit. Large foliage and pink flowers. Blooms freely in the Autumn. Distinct and beautiful. 2 ft, 30c; 3 ft, 35c.

**Amabilis alba.** White form of the above. 18 to 24 in, 25c.

**Candida.** White flowering Weigelia, flowering throughout the Summer. 18 to 24 in, 30c; 2 to 3 ft, 40c; 6 ft, Specimens, \$1.00 each.

**Eva Rathke.** A charming new Weigelia. Flowers brilliant crimson; flowering throughout the Summer. This is the best of all Weigelias. 1 to 2 ft, 30c; 2 to 3 ft, 50c; 3 to 4 ft, 75c.

**Floribunda.** A fine variety, flowers dark red. A profuse bloomer. 3 to 4 ft, 60c.

**Nana variegata. (C.)** One of the most conspicuous shrubs; leaves beautifully margined, creamy white; flowers pink. A dwarf grower and admirably adapted to small lawns or gardens. 2 to 3 ft, 50c.

**Rosea.** A beautiful shrub, with rose-colored flowers in May and June. 2 to 3 ft, 35c; 3 to 4 ft, 60c; Specimens, \$1.00 each.

**Sieboldi Variegata.** Upright, compact grower; foliage heavy and vigorous, light crimson green margined with creamy white, which changes to pure white; flowers clear rose. 2½ to 3 ft, Specimens, 75c.

**Willow.** See Salix. **Witch Hazel.** See Hamamelis.

## XANTHOCERAS SORBIFOLIA (A)

May. A rare shrub with stout, upright branches, pinnate foliage and slender panicles of white flowers that are blotched with yellow and red. Hardy, but dies down to the ground in winter; new growth in Spring. Valued for solitary planting. 18 in, 40c.

## PICEA PUNGENS GLAUCA KOSTERIANA

### (Koster's Blue Spruce)

Notable variety from the Rocky Mountains and the most valuable conifer for ornamental planting. A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is grafted on the "Compacta" type, which is far more regular, compact and dense than the ordinary Koster Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, specially selected from our large stock.

18 in. ....	\$2.00 each	4 ft. ....	\$ 7.50 each
2 ft. ....	4.00 each	5 ft. ....	10.00 each
2½ ft. \$4.50 to.....	5.00 each	5 to 6 ft. \$12.00 to.....	15.00 each
3 ft. ....	5.50 each	6 to 7 ft. ....	20.00 each
3½ ft. ....	6.50 each	7 ft., Select.....	25.00 each



**SHADE and ORNAMENTAL TREES**

These prices on Ornamental and Shade Trees are F. O. B. railroad station or express office at Chicago, purchaser paying transportation charges from there. On Chicago city orders we prepay delivery charges if the order for trees (alone) amounts to \$7.50 and upwards, at these prices, except where other arrangements are made.

**AILANTHUS (Tree of Heaven)**

- A. GLANDULOSA.** A lofty, rapid growing tree from Japan, with long elegant feathery foliage. One of the most distinct of ornamental trees. 8 to 10 ft 75c, 3 for \$2.00, doz \$6.00.

**ALNUS (Alder)**

- A. GLUTINOSA.** European or Common Alder. **B.** A remarkably rapid growing tree, attaining a height of from thirty to sixty feet. Foliage roundish, wedge-shaped and wavy. This species is specially adapted to moist situations. 6 to 10 ft 75c, 3 for \$2.00, doz \$7.75.

**ASH (Fraxinus)**

- F. AMERICANA.** American White Ash. A fine tree that produces large clusters of greenish white flowers on the ends of the branches in June. 8 to 12 ft 60c, 3 for \$1.60, doz \$6.00; 2 to 3 inch caliper \$2.25, 3 for \$6.00.

- F. EXCELSIOR.** European Ash. A lofty tree, of rapid growth, with spreading head and gray bark, pinnate leaves and black buds. 7 to 8 ft 35c, 3 for \$1.00, doz \$3.50.

- F. VIRIDIS.** 6 to 8 ft 35c, 3 for \$1.00, doz \$3.50.

- F. EXCELSIOR.** Pendula Weeping Ash, with 8 to 9 ft. clear stem, 3-year heads. 2 to 2½ inch caliper \$8.00 each.

**BIRCH (Betula)**

- B. LENTA.** (Sweet Bark or Cherry Birch.) A native tree with dark brown bark and bronze-reddish twigs. Leaves somewhat heart shaped. Thrives in low as well as high ground. 6 ft 85c each, 3 for \$2.40.

- B. ALBA LACINIATA.** European White Weeping Birch. A graceful tree, with silvery bark and slender branches. Quite erect when young, but after four or five years' growth assumes an elegant drooping habit, rendering the tree very effective in landscapes. 8 to 10 ft \$2.00 each.

**BOX ELDER (Ash-Leaved Maple)**

Of quick growth and irregular, spreading form. 2½ to 3 in caliper \$2.50 each, 3 for \$7.00.

**CATALPA**

- C. BUNGEI.** Grafted tops on straight stems, forming a pretty dome-shaped head of great soft heavy leaves. 2-year heads \$2.00 each, 4-year heads \$3.00 and \$4.00, 5-year heads \$5.00 and \$6.00.

- C. SPECIOSA.** White flowers, edged with violet and dotted with purple and yellow. 8 to 12 ft 75c, 3 for \$2.10, doz \$8.00; 10 to 12 ft, 3-inch caliper, \$3.00 each; 12 to 14 ft, 4-inch caliper, \$4.00 each.

- C. KAEMPFERI.** Japan Catalpa. A species of rapid growth, with deep green, glossy foliage. Flowers fragrant, cream-colored, speckled with purple and yellow; seed pods long and very narrow; two weeks later than *syriacaefolia*. 7 to 8 ft 65c, 3 for \$1.80, doz \$7.00; 8 to 10 ft 75c, 3 for \$2.10, doz \$8.00.

- C. SYRINGAEFOLIA.** Common Catalpa. Native of the Southern States. A showy, rapid growing, spreading, irregular tree, with very large, heart-shaped leaves, and pyramidal clusters, a foot long, of white and purple fragrant flowers. Blooms latter part of June, when few trees are in blossom, and, therefore, very desirable. 8 ft 75c, 3 for \$2.10, doz \$8.00.

**CRAB (Malus)**

- M. FLORIBUNDA.** Single flower; beautiful carmine in bud; white when open. May. Fruit very ornamental in autumn. 6 to 8 ft \$3.50, 3 for \$10.00.

- M. FLORIBUNDA ATROSANGUINEA.** Flowers crimson, produced in great profusion. A charming variety. May. 6 to 8 ft \$3.50, 3 for \$10.00.

- M. SCHEIDKERI.** A fine variety recently introduced from Germany. Flowers quite double, red in bud, changing to pink or rose color. 6 to 8 ft \$3.50, 3 for \$10.00.

- CRAB APPLE.** Bechtel's Double. See page 123.

**ELM (Ulmus)**

- AMERICAN.** The ideal street tree. We offer fine shapely trees. 7 to 9 ft. 1½ to 2 in calipers, \$2.00, 3 for \$5.50, doz \$20.00; 10 ft. 2½ to 3 in caliper, \$3.00 and \$3.50 each; 12 ft. 3 to 3½ in caliper, \$5.00 each.

- WEeping.** Grafted 5 to 6 ft trees, each \$1.50; 3 inch caliper, 8 to 9 ft clear stem, each \$8.00.

- PURPLE-LEAVED.** Fine trees for the lawn with purplish green foliage. 8 to 9 ft, 2 to 2½ in caliper, \$4.00 each.

**GINGKO (Maidenhair Tree)**

- BILOBA.** A Japanese tree of medium size, with fern-like foliage. Rare and elegant. 8 to 10 ft, 1½ to 2 in caliper, \$2.50 and \$3.00 each.

**JUDAS TREE (Red Bud)**

It blooms in early spring. Its masses of small delicate rosy red flowers wreath the leafless branches so quickly as to give very fine contrasts and cheery Spring effect. 8 to 10 ft \$1.60 each, 3 for \$4.25.

**LINDEN (Tilia)**

- T. AMERICANA.** American Linden. A fast growing, upright, close-headed native, with large leaves and fragrant flowers. Grows well in light soil. 7 ft \$2.00, 3 for \$5.50; 8 to 10 ft, 2½ to 3 in caliper, \$2.50 and \$3.00 each.

- T. EUROPAEA.** European Linden. **B.** A very fine pyramidal tree of large size, with large leaves and fragrant flowers. 8 ft \$2.00, 3 for \$5.50.

- T. ALBA PENDULA.** White-Leaved Weeping Linden. **B.** A beautiful tree with large foliage and slender, drooping shoots. One of the finest of the Lindens. 10 ft \$4.00 each.

**MAPLE (Acer)**

- DASYCARPUM.** (Silver Maple.) A fast grower, makes a dense shade and thrives in any kind of soil. We offer fine, straight, clear trees with high tops for street planting. 10 to 12 ft \$1.25, 3 for \$3.50, doz \$12.00; 3 to 4 in caliper \$4.00, \$5.00, \$6.00 each.

- PLATANOIDES.** (Norway Maple.) Handsome round-headed tree. Excellent for lawns where a spreading tree is wanted. 8 to 10 ft 2 in caliper \$2.50 each, 3 for \$7.00, 10 ft 2 to 2½ in caliper \$3.00 and \$4.00 each.

- SCHWEDLERI.** (Purple Norway Maple.) Foliage bright crimson in early Spring, changing to purplish green in the Fall. 8 to 10 ft \$2.00, 3 for \$5.50, doz \$20.00.

**WEeping MULBERRY (M. Tartarica Pendula)****MAPLE—Continued**

**WIER'S CUT-LEAVED SILVER MAPLE.** Partly drooping habit and finely divided leaves; it is a rapid grower and is an excellent lawn tree. 6 ft 60c, 3 for \$1.50, doz \$5.50; 8 to 10 ft \$1.00, 3 for \$2.50; 3½ to 4 in caliper, Specimens, \$6.00.

**MOUNTAIN ASH (Sorbus)**

**EUROPEAN MOUNTAIN ASH.** A small, pretty tree with pinnate leaves, laden until Winter with large clusters of red berries. Examine for borers in Spring and Autumn. 7 to 8 ft \$1.00, 3 for \$2.75, doz \$10.00.

**GOLDEN-LEAVED MOUNTAIN ASH.** A handsome variety, foliage bright yellow. Very effective. 2 inch caliper, each \$4.00, 3 inch, each \$5.00; 6 to 8 ft \$1.00, 3 for \$2.50; 10 ft, 3 inch caliper \$3.00 each.

**OAK-LEAVED MOUNTAIN ASH.** A remarkably fine lawn tree with oak-shaped leaves; also suitable for entrance to garden. 3 to 3½ inch caliper \$3.00 and \$4.00 each.

**WEeping EUROPEAN MOUNTAIN ASH.** A beautiful variety of rapid growth and decidedly pendulous and trailing habit. One of the most desirable lawn trees. 5 to 7 ft \$1.25.

**MULBERRY (Morus)**

**M. TARTARICA.** Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 6 to 8 ft 40c, 3 for \$1.10, doz \$4.25; 7 to 9 ft \$1.25, 3 for \$3.50.

**M. TARTARICA PENDULA.** Teas' Weeping Mulberry. The most beautiful weeping tree of recent introduction. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. All who have seen it agree that in light, airy gracefulness, delicacy of form and motion, it is without a rival. It undoubtedly takes the foremost place among weeping trees; it has beautiful foliage, is hardy, enduring the cold of the North and the heat of the South, safe and easy to transplant. Admirably adapted for ornamenting small or large grounds, or for cemetery planting. Trees, 6 to 8 ft. with 3-year-old heads, each \$2.50, 3 for \$7.00, 12 for \$25.00.

**POPLAR**

As a class the Poplars grow fast, cost little and are quickly effective. **ASIATIC POPLAR.** A rapid growing tree of pyramidal habit; leaves medium to large cordate, light green, changing to dark green. 8 to 9 ft 60c, 3 for \$1.65, doz \$6.00.

**CAROLINA POPLAR.** Of rapid growth. Very desirable where quick shade is wanted. 10 to 12 ft \$1.25, 3 for \$3.50, doz \$12.00; 3½ to 4 inch caliper \$6.00 and \$7.00 each.

**LOMBARDY POPLAR.** Of upright compact habit, very distinct. 4 to 6 ft 15c, 3 for 40c, doz \$1.50, per 100 \$8.00; 8 ft 75c, 3 for \$2.10, doz \$8.00.

**VAN GEERT'S GOLDEN POPLAR.** Has fine golden yellow foliage, retaining its brilliancy throughout the season; effective in masses. 8 ft 75c, 3 for \$2.10, doz \$8.00.

**PLATANUS (Plane)**

**P. OCCIDENTALIS.** A favorite avenue tree; it forms a large spreading tree. Recommended when a fast growing tree is wanted. 6 to 7 ft 60c and 75c each, 3 to 10 ft \$2.00, \$2.50 and \$3.00 each.

**TULIP TREE (Liriodendron)**

**L. TULIPIFERA.** Tulip Tree or Whitewood. A magnificent native tree, of tall, pyramidal habit, with broad, glossy, fiddle-shaped leaves of a light green color, and beautiful tulip-like flowers; allied to the Magnolias, and, like them, difficult to transplant, unless of small size. 10 ft \$1.50.

**WALNUT (Juglans)**

**J. JAPONICA.** (Japan Walnut.) Hardy, rapid grower, bears young and abundantly; worthy of extensive planting. 3 to 4 ft 50c, 3 for \$1.30, doz \$5.50.

**J. NIGRA.** Black Walnut. A native species of great size and majestic habit. Bark very dark and deeply furrowed. Foliage beautiful, each leaf being composed of from thirteen to seventeen leaflets. 8 ft \$1.50 each.





**AUCUBA JAPONICA**

**AUCUBA JAPONICA**

A valuable decorative plant, worthy of more attention. Very suitable for hall or porch decoration. The foliage is large, of rich glossy green, thickly spotted with yellow, increasing in beauty as it grows older.

15 to 18 inches high (by express).....\$1.00 each, 3 for \$2.75  
24 to 30 inches high (by express)..... 2.00 each, 3 for 5.50  
If wanted in tubs add 50c to above prices.

**BIOTA AUREA NANA**

Bushy evergreen trees, pot grown. Fine for window boxes, hotel decoration, entrance halls and specimens on the lawn.

18 to 20 inches high (by express).....\$2.00 each  
24 to 30 inches high (by express)..... 3.00 each  
If wanted in tubs add 50c to above prices.

**BAY TREES—Laurus Nobilis**

For decorative purposes these stately plants cannot be excelled. Nothing can approach them as effective plants for decorating entrance halls or piazzas. We have on hand at all times, a large stock of fine plants grown in standard and pyramidal form.



**BIOTA AUREA NANA**

**STANDARD OR TREE SHAPED (See Cut)**

Stems.	Crowns.	Each.
42-45 in. high.....	22-24 in. diameter.....	\$8 00
42-45 in. high.....	24 in. diameter.....	9 00
45 in. high.....	26 in. diameter.....	10 00
45 in. high.....	28 in. diameter.....	12 00
45 in. high.....	30 in. diameter.....	15 00
45 in. high.....	34 in. diameter.....	18 00
45 in. high.....	40 in. diameter.....	22 00

**DWARFED STANDARD BAY TREES**

Crown.  
Not over 4-5 ft. in total height, 24-26 in. \$10.00 each

**BAY TREES—Pyramidal Shaped**

Stems.	Crowns.	Each.
5 ft. high.....	26-28 in. diameter.....	\$10 00
6 ft. high.....	30 in. diameter.....	15 00
6½ ft. high.....	30-34 in. diameter.....	18 00

**BOX TREES**

These plants are sheared in compact pyramidal and globe form, and make very beautiful specimens, which are desirable for the same purposes as the Bay Trees and are not as expensive. Prices include trees planted in nice new green tubs.

**STANDARD OR TREE SHAPED BOX**

Stems.	Crown.	Each.	Pair.
20-22 in. clear.....	20-22 in.....	\$3 50	\$6 50
22-24 in. clear.....	22-26 in.....	5 50	10 00
18-22 in. clear.....	30-32 in.....	8 00	15 00
22-24 in. clear.....	32-34 in.....	10 00	18 00

**BUSH SHAPED BOX TREES**

Fine bushy plants, 15 to 18 in. high, each 75c, doz \$8.00.

**PYRAMID SHAPED BOX TREES**

	Each.	Pair.
2 ft. high.....	\$ 2 00	\$ 3 75
2½ ft. high.....	2 50	4 50
3 ft. high.....	3 00	5 50
3½ ft. high.....	4 00	7 00
4 ft. high.....	5 00	9 00
5 ft. high.....	8 00	15 00
6 ft. high.....	10 00	18 00

Beautiful  
Shaped  
Plants  
in Fine  
Condition

**Hardy Perennial Plants at Wholesale Prices**

**STANDARD BAY TREE**

**PYRAMIDAL BAY TREE**

Unless otherwise stated, the following varieties are from three-inch pots. We cannot furnish less than 25 of any one variety at these rates

Per 100	Per 100	Per 100
Achillea Elegans.....	Erianthus Ravennae.....	Lavendula Vera (true lavender).....
Achillea Mill Roseum.....	Eulalia Gracillima Univittata.....	Lily of the Valley, clumps.....
Anchusa Angustifolia.....	Funkia Lanceifolia, clumps.....	Linum Perenne.....
Anemone Whirlwind.....	Gaillardia, Kelway's Hybrids.....	Lobelia Cardinalis.....
Anemone Queen Charlotte.....	Gypsophila Paniculata.....	Lychnis Viscaria Splendens.....
Aquilegia Chrysantha.....	Gypsophila Paniculata fl. pl., clumps.....	Mint, Spearmint.....
Aquilegia Chrysantha Alba.....	Gypsophila Paniculata, 3-inch pots.....	Myosotis Palustris Semperflorens.....
Aquilegia Canadensis.....	Helenium Autumnale Superbum.....	Pentstemon Torreyi.....
Baptisia Australis.....	Helenium, Riverton Beauty.....	Phalaris Arundinacea Variegata, clumps.....
Bocconia Cordata.....	Helenium Superbum Rubrum.....	Platycodon Mariesi.....
Boltonia Asteroides Clumps.....	Helianthus Divaricatus.....	Platycodon Mariesi Alba.....
Bupththalmum Cordifolius.....	Helianthus Multiflorus Maximus.....	Platycodon Grandiflora.....
Campanula Medium, double mixed.....	Helianthus Multiflorus plenus.....	Poppy Masterpiece P. V. Louise and Silver Queen.....
Campanula Medium, single mixed.....	Helianthus Sparsifolius.....	Pyrethrum Uliginosum.....
Campanula Medium, single, white.....	Heliopsis Pitcherianus, clumps.....	Pyrethrum Roseum, single mixed.....
Campanula Medium Calycanthema, mixed.....	Hemerocallis Dumortieri, clumps.....	Rudbeckia, Golden Glow, clumps.....
Chelone Barbata Hybrida.....	Hemerocallis Kwanso fl. pl.....	Rudbeckia, Golden Glow, 3-inch pots.....
Chrysanthemum Maximum.....	Hollyhocks, double, separate colors.....	Rudbeckia, Golden Ray, clumps.....
Chrysanthemum Maximum (North Star).....	Hibiscus, Crimson Eye, 2-inch pots.....	Rudbeckia, Golden Ray, 3-inch pots.....
Coreopsis Lanceolata.....	Hibiscus, Crimson Eye, clumps.....	Rudbeckia Nitida, clumps.....
Delphinium Formosum.....	Hibiscus Moscheutos, 3-inch pots.....	Rudbeckia Nitida, 3-inch.....
Delphinium Kelway's Hybrids.....	Inula Ensifolia.....	Sweet William, double and single mixed.....
Daisy, Shasta Clumps.....	Iris, German named kinds, our selection.....	Thalictrum Flavum.....
Daisy, Shasta, 3-inch pots.....	Iris, German, mixed.....	Thalassantia Virginica.....
Dianthus Plumarius Cyclops.....	Iris, Japanese named kinds, our selection.....	Tritoma Pinnatifida.....
Dianthus Semperflorens.....	Iris, Japanese, mixed.....	Veronica Longifolia Subsessilis.....
Dianthus Her Majesty.....	Iris, Palladia Dalmatica.....	Vinca Minor, Grace Myrtle.....
Echinacea Purpurea.....	Iris, Siberica, Yale Blue.....	Vinca Filamentosa 2-inch pots.....



# CHOICE SELECTION OF SMALL FRUITS

## BLACKBERRIES

Price, each 10c, per doz 75c, per 100 \$3.00.

If to go by mail, add 35c per 100 for postage.

**ELDORADO.** The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black.

**SNYDER.** Extremely hardy, enormously productive, medium size, no hard, sour core; sweet and juicy.

**STONE'S HARDY.** Best variety for the north; fruit rich and melting.

## CURRENTS

If to go by mail, add 25c per doz. for postage on 2-yr. plants.

**BAR-LE-DUC.** (White.) This excellent Currant bears clusters which have from 12 to 14 large white berries, which are very sweet. The berries are whitish and not yellowish like other white currants. 2-year bushes, each 50c, doz \$5.00.

**BOSKOOP GIANT.** (Black.) This famous new currant of strong growth and free bearing quality, is in great demand, being especially adapted for preserving. We offer strong plants, 2-yr., each 20c, 3 for 55c, doz \$2.00; 3-yr., each 30c, 3 for 80c, doz \$3.00.

**FAY'S PROLIFIC.** (Red.) The leading market variety. 2-yr., each 15c, 3 for 40c, doz \$1.50.

**LEE'S PROLIFIC.** (Black.) One of the best for general use. 2-yr., each 15c, 3 for 40c, doz \$1.50.

**NORTH STAR.** (Red.) It is bright in color and is the sweetest and best flavored currant known. It is an early and prolific bearer. 2-yr., each 15c, 3 for 40c, doz \$1.50, per 100 \$9.00; 3-yr., each 25c, 3 for 65c, doz \$2.50.

**PERFECTION, NEW.** (Red.) Very large. A cross of the famous Fay's Prolific and the white grape; originated by Mr. Chas. G. Hooker. A very productive variety with berries about as large as grapes, making it a valuable. It is mild in flavor and free from sharpness. 2-yr., each 35c, 3 for 90c, doz \$3.50.

**RED DUTCH.** The old well-known red currant. 2-yr., each 15c, 3 for 40c, doz \$1.50, per 100 \$9.00; 3-yr., each 25c, 3 for 65c, doz \$2.50.

**WHITE DUTCH.** The well-known white currant. 2-yr., each 15c, 3 for 40c, doz \$1.50.

## STRAWBERRIES

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row or plant is a perfect flowering variety, as are all not so marked. Thus planted the (P) sorts are the most productive.

**AUG. LUTHER.** (P.) Early well known standard variety, good grower and reliable. Fruit large, glossy, bright red, firm and of good quality.

**BRANDYWINE.** Late berries large. One of, if not the best, well tested varieties for both home and market use.

**CLIMAX.** This is the best early variety now on the market. A good size, good color and very productive, which most real berries lack.

**CLYDE.** Early. The most productive variety yet introduced. Immense size. A fine berry for home market.

**GANDY.** Late. One of the best varieties in cultivation. Berries large, of fine form and excellent quality. Flesh firm.

**HAVERLAND.** A mid-season berry with long and good colored fruit, very prolific and heavy cropper.

**JOHNSON'S EARLY.** Early. Desirable, very prolific and healthy grower, fruit large, of good form and color, and delicious flavor.

**NICK OHMER.** Midseason. Very large, dark glossy red, firm and perfect in shape. Enormous yield and of excellent flavor.

**PRIDE OF MICHIGAN.** Midseason. Fruit medium to large, of a dark, glossy red color. Good plant maker and stands drouth better than most kinds.

**SENATOR DUNLAP.** Midseason. Vigorous. Fruit large and attractive in form, deep red to the center. Begins to ripen early and continues nearly a month.

**SAMPLE.** (P.) Late. Good bearer, with large roundish berries of firm flesh, bright red color.

**UNCLE JIM.** Midseason. There is no larger berry grown. It is a dark crimson and showy. It is very prolific and long season.

Price of all the following except where noted, per doz 35c, 100 \$1.50, postpaid; per 1,000 \$12.00 by express. For Spring delivery only.

**SPECIAL OFFER No. 479** A Strawberry collection. 100 fine strong healthy plants (Spring delivery only), in four good sorts, our choice, prepaid \$1.25.

## STRAWBERRIES

### FOR SEPTEMBER

### AND OCTOBER DELIVERY

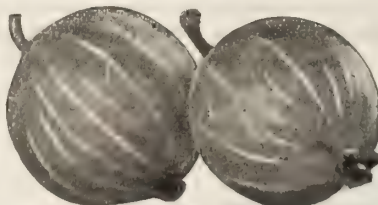
Strawberry Runners, as list, \$2.00 per 100.

Strawberry Pot Plants, as list, \$3.50 per 100.



THE PERFECTION CURRANT

market sort.



GOOSEBERRY KEEPSAKE.



CAMPBELL'S EARLY

NIAGARA

## GOOSEBERRIES

**DOWNING.** Largest of our native Gooseberries; pale green; very sweet. 2-yr., each 20c, 3 for 55c, doz \$2.00, per 100 \$15.00, by exp.

**HOUGHTON.** Well known, medium size, pale red, very productive. Price, same as above.

**INDUSTRY.** It is one of the heaviest croppers. The fruit is of largest size, very early and sweet. 2-yr., each 25c, 3 for 65c, doz \$2.50, per 100 \$16.00, by exp.; 3-yr., each 35c, 3 for 90c, doz \$3.50.

**KEEPSAKE.** A very large, straw-colored variety of the finest quality and largest size. Its abundant foliage protects the fruit. 2-yr. and 3-yr., by exp., prices same as above.

**RED JACKET.** It is the best Red Gooseberry in existence; has good foliage; mildew proof; yields well; smooth, bright red color and of excellent quality. 2-yr. plants, by exp., each 25c, 3 for 65c, doz \$2.50.

## SELECT GRAPES

**CAMPBELL'S EARLY.** King of American Grapes. A grape in all respects better adapted to general use in all sections than any other which has yet been grown and tested. Large, nearly round, often an inch or more in diameter; black, with light purple bloom; skin thin; flavor rich and sweet. Price, 1-yr. vines, each 20c, 3 for 55c, doz \$2.00; 2-yr.-old vines, by exp., each 30c, 3 for 80c, doz \$3.00.

**BRIGHTON.** Dark red, bunches large; medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollinize itself.

**CATAWBA.** Bunches large and loose; berries large, of copery red color, becoming purplish when well ripened.

**CONCORD.** Well known, reliable, deep purple.

**DELAWARE.** Bunches small, compact shouldered; small, round; skin thin, light red; flesh very juicy.

**NIAGARA.** Vine hardy; unusually strong grower; bushes large and compact, mostly round; light greenish white, semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

**MOORE'S EARLY.** Bunch medium; berry large, round, black, with a heavy blue bloom; vine hardy and moderately prolific. Its large size and earliness render it desirable for an early crop.

**WORDEN.** Black, handsome, compact bunch; ripens three weeks earlier than Concord.

Price (except where noted), postpaid, 1-yr., each 15c, 3 for 40c, doz \$1.50; 2-yr., by exp., each 20c, 3 for 55c, doz \$2.00; 3-yr., extra heavy, by exp., each 30c, 3 for 80c, doz \$3.00.

**SPECIAL OFFER No. 476** The set of 8 grapes, 1-yr., for \$1.00, postpaid.

**SPECIAL OFFER No. 477** The set of 8 grapes, 2-yr., for \$1.25, by exp.

**SPECIAL OFFER No. 478** The set of 8 grapes, 3-yr., \$2.00, by exp. Includes the new Campbell grape.

**BLACK HAMBURG.** For Conservatory Planting. This is the standard hot house grape, grown in private conservatories. The berries are large and of a deep blue-black color and of excellent flavor. The bunches of fruit weighing often 3 to 5 pounds. We offer large pot-grown plants with canes 5 ft. long. Price, each \$2.50. (We can supply other sorts.)

## RASPBERRIES

Add for postage, 10c per doz, 50c per 100.

**"THE HERBERT RASPBERRY."** (New.) A very strong grower, hardy, and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. Season begins a few days before Cuthbert. The best Red Raspberry up to the present time. Per doz \$1.50, 25 for \$2.50.

**COLOSSAL.** Truly colossal, plant and fruit, and ironclad in hardness; dark red berries of a sprightly, sub-acid flavor.

**COLUMBIAN.** Valuable and profitable. The fruit is cone-shaped, of dark red, almost purplish color. Fruiting season extends from July 10th to August 15th.

**GREGG.** Large Black Cap; heavy bearer.

**LOUDON.** The largest Red Raspberry we have ever seen. When boxed for market it outclasses everything in the Red Raspberry line and sells quicker and for more money. It is almost ever-bearing.

**KANSAS.** The best of all the Black Caps, berries large or larger than the Gregg; jet black, firm, handsome and of the best quality; exceedingly productive.

**OLDER.** Of strong growth, producing canes very much branched, giving more fruiting surface than any other Black Cap. The fruit is of a shiny coal black without bloom; rich, juicy.

Each 10c, 3 for 25c, doz 75c, per 100 \$3.00.

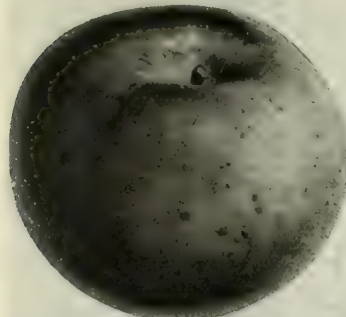


## CHOICE FRUIT TREES

These trees are 3 years old, 5 to 7 feet high (except noted), well branched, and are sent out by express or freight. Prices do not include prepayment.



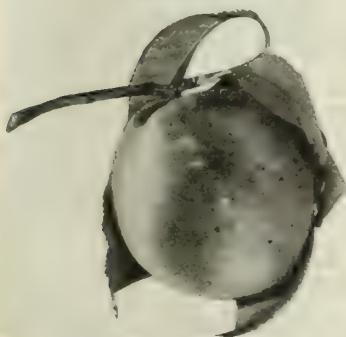
Apple, Yellow Transparent



Apple, Ben Davis



Pear, Kieffer



Peach, Elberta

### QUANTITY PRICES.

Where price per tree is	We supply 3 for	Per dozen
\$0.35	\$1.00	\$ 3.50
.40	1.10	4.25
.45	1.20	4.75
.50	1.35	5.25
.60	1.60	6.25
.75	2.00	7.75
1.00	2.75	10.00
1.25	3.25	12.00

## APPLE TREES

**ALEXANDER.** A very large and beautiful apple; color deep; quality medium; very hardy; a medium bearer and moderate grower. September and October. Extra heavy, 8 ft \$1.25, and \$1.50 each.

**BALDWIN.** Large, bright red, crisp, juicy, and rich. Tree vigorous, upright and productive. One of the most popular and profitable sorts for either table or market. December to March. 6 to 7 ft 50c, 7 ft, selected, 75c, 8 ft, extra heavy, \$1.25 and \$1.50 each.

**BEN DAVIS.** Large, handsome shaped, valuable Winter apple. 5 ft, 50c, 6 to 7 ft, selected, 75c, 8 ft, 85c each.

**BISMARCK.** Dwarf growing, early bearing, 3-year-old fruit trees. Sold out.

**DUCHESS OF OLDENBURG.** Yellow and red, juicy. Autumn. Each, 5 to 6 ft 50c, 6 to 7 ft 75c, 8 ft, strong, \$1.00 and \$1.25.

**EARLY HARVEST.** Of medium size; color pale yellow; flavor mild; a good bearer; one of the first to ripen. End of August. Each, 6 to 8 ft \$1.00 and \$1.25.

**GRIMES GOLDEN.** Good size, yellow; of highest quality. Very productive. Sept. Each, 5 to 6 ft 50c, 6 to 7 ft 75c, 7 ft, selected, \$1.00.

**JONATHAN.** Medium, red; extra quality. Winter. Each, 5 ft to 6 ft 60c, 6 ft, selected, 75c.

**MAIDEN'S BLUSH.** Pale yellow with red cheek; flavor tender and pleasant; a free grower and good bearer. Valuable market sort. Sept. and Oct. Each, 6 ft 50c, 6 ft, selected, 75c.

**NORTHWESTERN GREENING.** Hardy, yellow, rich and good keeper. Winter. Each, 5 to 6 ft 50c, 6 to 7 ft, selected, 75c, 7 to 8 ft \$1.00.

**NORTHERN SPY.** Large, striped, sub-acid; Winter. Each, 5 to 6 ft 50c, 6 to 7 ft, selected, 75c.

**RED ASTRACHAN.** Large beautiful deep crimson, one of the best Summer apples. Each, 6 ft 50c, 6 ft, selected, 75c.

**SALOME.** Medium and uniform size, good quality, long keeper. Winter. Each, 5 ft, 50c, 6 to 7 ft, selected, 75c.

**TOLMAN SWEET.** Medium, yellow and red, rich. Winter. Each, 6 to 7 ft 50c, 6 to 7 ft, selected, 75c.

**WALBRIDGE.** Handsome striped, red medium; Winter. Each, 5 to 6 ft 50c, 8 to 9 ft, selected, \$1.00, \$1.25 and \$1.50.

**WEALTHY.** Large, red, sub-acid, productive; Winter. Each, 5 ft 50c, 6 to 7 ft, selected, 75c, 7 to 8 ft, strong, \$1.00, \$1.25 and \$1.50.

**WINE-SAP.** Large, deep red, a good keeper; quality medium; a moderate grower and good bearer. Succeeds well in the West. Dec. to May. Each, 4 to 5 ft 50c, 6 ft 75c.

**WOLF RIVER.** Large, yellow striped and shaded red, juicy; Winter. Each, 5 to 6 ft 50c, 6 to 7 ft 75c.

**YELLOW TRANSPARENT.** Earliest and best, white, tender and juicy; sub-acid; late Summer. Each, 6 ft 50c, 6 to 7 ft, selected, 75c, 7 to 8 ft, extra strong, \$1.00, \$1.25 and \$1.50 each.

## CRAB APPLE TREES

**HYSLOP.** Large, deep crimson; one of the most beautiful of Crabs. Oct. Each, 5 to 6 ft 50c, 6 ft 75c, 7 ft \$1.00.

**SIBERIAN.** Large, golden yellow; very popular; September. Each, 6 ft 50c.

**TRANSCENDANT.** Immensely productive, bright red; one of the most popular. Sept. and Oct. Each, 5 to 6 ft 50c, 6 to 7 ft 75c.

**WHITNEY.** One of the largest, glossy green splashed carmine. Firm, juicy, pleasant, great bearer. Aug. Each, 6 ft 50c, 6 ft, selected, 75c.

## PEAR TREES

**BARTLETT.** The most popular Summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. Each, 5 to 6 ft 60c.

**CLAPP'S FAVORITE.** Very large, yellow and dull red; very fine; August. Each, 5 to 6 ft 60c, 7 ft, selected, 75c and \$1.00.

**FLEMISH BEAUTY.** Large, juicy, rich, one of the hardest. Autumn. Each, 5 to 6 ft 60c, 6 to 7 ft 75c.

**KIEFFER.** Good for preserving and canning; extra large; good bearer. October. Each, 5 to 6 ft 40c, 8 ft, selected, \$1.00.

**KOONCE.** Thoroughly tested for several years. Has produced good crop when all other varieties were killed by frost. Fruit medium to large yellow with carmine cheek; quality good; ripens in time for the earliest market. Each, 5 to 6 ft 50c, 7 to 8 ft 75c, 7 to 8 ft, selected, \$1.00.

**SECKEL.** Small, yellowish brown, red cheek; best to eat out of hand and pickle. Each, 5 ft 60c, 6 to 7 ft 75c and \$1.00.

**OUR GUARANTEE.** All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified; examine and count on receipt and notify us at once should there be any errors or damaged stock. This guarantee will not hold good unless above requirements are complied with. From the immense stocks stored in our frost-proof cellars, shipments can be made at any time to suit the planting requirements of customers in any locality. Certificate of Inspection, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to all freight and express shipments.

## CHERRY TREES

**BLACK TARTARIAN.** Large, black, juicy, rich. Last of June. Each, 5 to 7 ft 60c.

**DYEHOUSE.** Very early and sure bearer; ripens a week before Early Richmond. June. Each, 4 to 5 ft, selected, 75c, 6 to 7 ft \$1.00 and \$1.25, Dwarf, 4 to 5 ft, 60c.

**EARLY RICHMOND.** Dark red, juicy, rich acid, good, hardy bearer. June. Each, 5 to 6 ft 60c, dwarf, 6 to 7 ft, extra heavy, \$1.00 and \$1.25, dwarf, 4 to 5 ft, 60c, 4 to 5 ft, selected, 75c.

**EARLY RICHMOND.** Grafted on Morello. This is the best for Chicago and vicinity; bears more profusely and earlier. Each, 4 to 5 ft \$1.25.

**ENGLISH MORELLO.** Fair size, blackish red, rich acid, juicy, good. August. Each, 4 to 5 ft, dwarf, 75c, 4 to 5 ft, dwarf, selected \$1.00, 5 to 6 ft, selected, 75c and \$1.00.

**GOV. WOOD.** Large, bright red, sweet and juicy. June. Each, 4 to 5 ft, dwarf, 60c, 5 to 7 ft 60c.

**MONTMORENCY.** Large, red, acid, about 10 days later than Early Richmond. Very prolific and hardy. Each, dwarf, 4 to 5 ft 75c and \$1.00, 5 to 6 ft 50c, 6 to 7 ft 75c and \$1.00, 7 ft, selected, \$1.25.

**NAPOLEON.** Large, pale yellow or red, juicy and sweet. July. Each, 5 to 7 ft 75c, 8 ft, selected, \$1.00 and \$1.25.

**WINDSOR.** The fruit is very large, of dark liver color, good quality; very hardy. July. 5 to 7 ft 60c.

**WRAGG.** Dark purple, fine quality; medium. July. Each, 6 to 7 ft 75c, 8 ft, selected, \$1.00 and \$1.25 each.

## PEACH TREES

**CRAWFORD'S EARLY.** Large, yellow; of excellent quality. Very vigorous and prolific.

**CRAWFORD'S LATE.** Very large and productive; yellow; ripens about the close of the peach season.

**CROSBY.** One of the hardiest; abundant bearer, bright yellow. Sept.

**ELBERTA.** Large, yellow; one of the leading market varieties. Sept.

**TRIUMPH.** Earliest yellow-fleshed peach, sure and abundant bearer; fruit yellow with red and crimson cheeks.

**WONDERFUL.** Freestone peach; rich, golden yellow, overspread with rich carmine; excellent keeper. Trees, 4 to 5 ft, each 25c; 3 for 65c, 12 for \$2.40. One each of above 6 varieties of Peaches, \$1.20.

## PLUM TREES

**ABUNDANCE.** This is the plum for you, if you try but one. Lemon yellow ground, nearly overspread with cherry; flesh yellow. Each, 5 to 7 ft 45c.

**BURBANK.** The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; bears young; fruit large, excellent quality, cherry red with lilac bloom. Aug. Each, 5 to 7 ft 45c.

**DE SOTO.** Very hardy, bright red. Each, 6 to 7 ft, strong, 75c, 8 ft, extra strong, \$1.00.

**WOLF.** Very popular, large, immensely productive. Aug. Each, 6 to 7 ft 45c, 7 to 8 ft 75c, 8 ft, extra strong, \$1.00.

## QUINCE

**MEECH.** A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance. Its cooking qualities are unsurpassed. 3 to 4 ft, strong, each, 75c.

## MULBERRY

See Shade Trees.

## WALNUT

See Shade Trees.

## ABOUT PRUNING

When trees are dug in the nursery, a portion of the roots are broken or cut off and the balance that existed in the structure of the tree is deranged. It is therefore necessary that the branches be pruned. Fruit trees from 5 to 7 ft. in height usually have clear stems varying from 3 to 5 ft., with the branches forming a head. The branches must all be cut back to within three or four buds of their base. All broken or bruised roots must be cut off smoothly to the sound wood. In case of larger trees the pruning must be in proportion.

We shall be glad to prune fruit and other tree ready for planting if requested; in that case, however, our customers cannot expect to receive trees that answer our specifications as to height, since they are for trees not pruned.

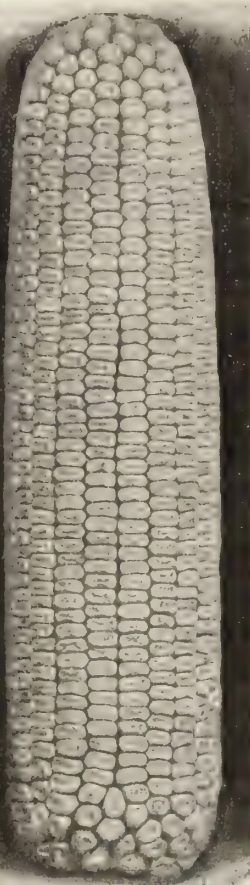
Springfield, Ill.—The trees and bushes ordered were received O. K. The apple tree was a beautiful specimen in a fruit tree "plant" I have ever seen. R. G. HUNN.



# VAUGHAN'S PEDIGREE SEED CORN



Leaming



Reid's Yellow Dent

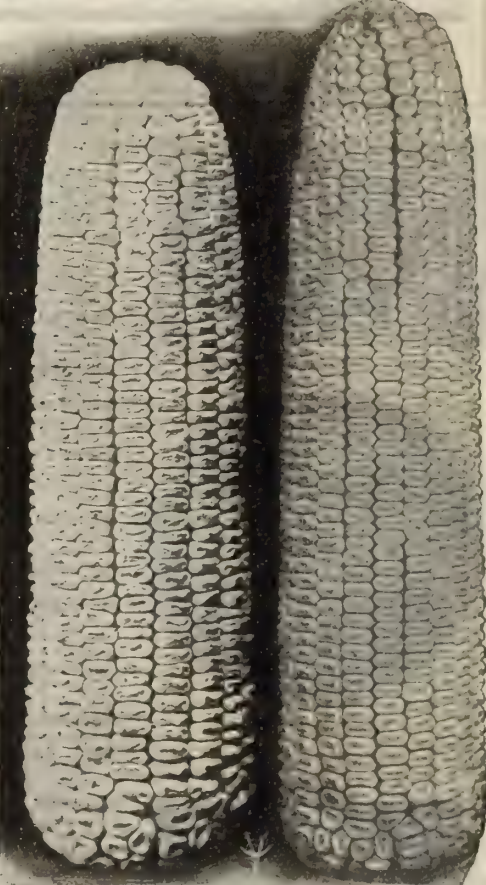
Vaughan's Pedigree Seed Corn heads the list each year as the highest bred type of the different varieties of Corn. Each standard variety today does its best, and therefore the seed so grown is best in localities to which it is particularly suited. Our growers are the recognized leaders in growing their respective varieties. They know all about the latest theories of breeding and practice them. Note we state plainly where each kind of Corn has been grown. Southern grown Corn will not mature in localities North. Northern grown Corn produces lesser yields South.

Our Corn is tested monthly in season. Every planter should order early enough to test his own seed.

## REID'S YELLOW DENT,

### Pedigreed Stock.

The standard Yellow Dent Corn for Northern Central Illinois, Northern Iowa and like climates in Indiana and Ohio. Brought to Illinois in 1846 from Ohio. Fifty years of careful selection has resulted in remarkable evenness in appearance of ears. It is more accurately described as follows: Ear 9 to 10 inches long, very slowly tapering; about 7 inches around; 18 to 24 rows, with narrow space between; kernels light yellow. Our strain is slightly rough, tapering very slightly; cob medium. Matures under favorable conditions in 110 to 115 days. Much planted in Northern Illinois and Southern Wisconsin, but always at the risk of not



Iowa Silver Mine

Boone County White

maturing. Our breeder has won first prizes in competition with the best growers at the Springfield State Fair and National Corn Show. Grown in Central Illinois. Our crates of selected ears cannot be beaten anywhere. Selected ears, bushel crate, \$3.00; three for \$8.25. Shelled Corn, selected, tipped and butted, ½ peck, 35c; peck, 60c; bu., \$2.00; 4 bu. lots, \$7.25; 10 bu. lots, \$17.50. Postpaid, large pkt., 10c; pint, 20c; quart, 30c.

## BOONE COUNTY WHITE, Pedigreed Stock.

This is the best type of White Dent Corn for the Central Corn belts—such as Central and Southern Illinois and South Central Iowa. At the Springfield Fair this corn is always a winner in the White classes. The corn has been bred for very large ears and consequently matures rather slowly—about one hundred and twenty days of good weather. Tips do not fill as well as some varieties; however, our strain has been selected to improve this fault, as can readily be determined by the ears in our crates. The ear tapers slowly, length usually 10 inches; circumference, 7½ inches; 16 to 22 rows, medium space between; the kernels are broad and somewhat rough; the cob is white and of medium size. Our strain has won many prizes—grown in Central Illinois. Selected ears, per crate, \$3.00; 3 bu., \$8.25.

**SHELLED CORN**—Selected, tipped and butted, ½ peck, 35c; peck, 60c; bu., \$2.00; 4 bu. lots, \$7.25; 10 bu. lots, \$17.50. Postpaid, large pkt., 10c; pint, 20c; quart, 30c.

**LEAMING IMPROVED.** (See illustration.) Probably planted over a greater area of country than any other sort on account of its great adaptability. Ripens in 100 to 110 days under favorable conditions in central corn belts. The ear is tapering, length 10 inches; circumference, 7 inches; kernels smooth and firm on the cob; 18 to 20 rows, with medium spaces between; well filled and rounded tips and butts; kernels yellow and wedge shaped; cob red, of medium size. The stalks are of good size and in New York and New England used a great deal for ensilage. Our seed is grown from prize stock in the central corn belt. Shelled, selected, tipped and butted, price, peck, 60c; bu., \$2.00; 4 bu. lots, \$7.25. Postpaid, large pkt., 10c; pint, 20c; quart, 30c.

**GOLD MINE.** A Yellow Dent similar in its general characteristics to the Silver Mine. Average about half an inch shorter than Silver Mine and two rows less. The kernels are rough and deep. Cob small. In certain sections of North Central Illinois and Iowa as far north as Cedar Rapids, parts of Kansas and Nebraska—a standard sort. This variety has not been as carefully bred as some sorts; however, it has good points. A 110 day corn. Our seed is carefully selected, grown by a noted breeder in the West Central Corn section, a specialist on this excellent variety. Shelled, selected, tipped and butted, price, peck, 55c; bu., \$1.75; 4 bu. lots, \$6.50. Postpaid, pkt., 10c; pint, 20c; quart, 30c.

## IMPROVED CALICO.

This is a good feeders' corn—the ears are of good size, usually nine to ten inches; the color of the corn varies a great deal from dapple yellow to a deep red. The ears taper slowly, 7 to 7½ inches around; about 20 rows, medium spaces; cob fair size and red. Suitable only in a central corn belt, requiring 110 to 115 days to mature. Height is medium, with abundant foliage, making it desirable for ensilage. Our corn is a good strain, raised in the best central corn section. Shelled, selected, tipped and butted, price, ½ peck, 35c; peck, 60c; bu., \$2.00; 4 bu., \$7.25. Postpaid, pkt., 10c; pint, 20c; quart, 30c.

## SILVER MINE.

(See illustration.) One of the very best yielding White Dent Corns. Matures in North Central Illinois and in Iowa as far north as Dubuque. Originated in Ford county, Illinois, and introduced in Iowa. Creamy white in color, cylindrical shape, tapering only a little at the tip; 18 to 20 rows; length 9 inches; circumference, 7½ inches; kernels rough and deep, a little space between rows; cob small and white. A fine shelling and high yielding variety. In good corn weather ripens in 110 days. Our seed is grown by one of the most famous Iowa breeders. Shelled only—however, every ear selected and tipped and butted. Peck, 60c; bu., \$2.00; 4 bu., \$7.25. Postpaid, pkt., 10c; pint, 20c; quart, 30c.

## HICKORY KING.

The most famous White Corn for Southern States. The tapering ears run very large. The general conformity of the ear varies greatly, as this corn has been bred for small cobs and large kernels, making a corn that cannot be surpassed in shelling qualities. The corn requires a rich soil and a shade better than 120 days to mature. The foliage is abundant, usually two ears to a stalk, and very few barren stalks. Especially easy to husk. Our corn is grown in Northern Missouri by a most careful breeder. Shelled, peck, 55c; bu., \$1.75; 4 bu., \$6.50. Pkt., 10c; pint, 20c; quart, 35c, postpaid.

## POP CORN.

Selected Ears for Seed.

Price of any kind of Pop Corn, postpaid, pkt., 5c; ½ lb., 12c; lb., 20c. Not prepaid, lb., 12c; 5 lbs., 40c; 10 lbs., 65c; 25 lbs., \$1.40; 100 lbs., \$5.00.

**ILLINOIS SNOWBALL.** An improved variety, very prolific; is best Pop Corn for home use.

**WHITE RICE.** The most popular for general use. The grain is pointed, pops white, is full.

**MAPLEDALE PROLIFIC.** A great yielder. It pops pure white.

**QUEEN'S GOLDEN.** It pops perfectly white, and a single kernel will expand nearly one inch.

We sell full bushels only in crates. (Write for free copy of Vaughan's Corn Belt Map (1885) showing where these and other corns will mature.)

THE ABOVE PRICES ARE AS LOW AS WELL BRED, SELECTED SEED CORN CAN BE OFFERED.





Field of Early Corn on the Vaughan Farm.

Near Homewood, Ill.

## FIELD CORN—Early Varieties

### NORTHERN GROWN

Such varieties of Early Corn as we list on this page are the purest bred Northern Corn sorts to be found. They are grown in North Dakota, Wisconsin, Minnesota, Michigan, Northern Illinois, Northeastern Nebraska and Central Ohio. They begin with the very earliest Flint (Jehu), include all the earliest dent varieties and end with the medium season Golden Surprise. For their respective sections they represent the heaviest yielding and purest bred type in existence.

It is now universally recognized that so-called 90-Day or Early Corn; grown in Southern localities, require twenty or more additional days to mature in the North. Farmers plant seed corn grown over fifty miles south of their latitude at a great risk of a soft crop.

Seed Corn is of high germination this year, though the ears are smaller than usual, owing to the summer's drought.

**MADISON YELLOW DENT** See illustration. This Corn is, we believe, the best Corn ever introduced for the vicinity of Chicago, Northwestern Indiana, Wisconsin and Michigan. Matures in 100 days of ordinary corn weather, and is a wonderful yielder. The ear is smaller than Reid's Yellow Dent, but much resembles it otherwise. Ears 8½ inches long, 16 rows, dark red cob. As near a pure bred corn as can be found in any Northern Corn Belt. It has yielded well, and in nearly every case better than all local corns, wherever we have sold it in above sections in the last four years. It is the most even and handsome appearing Early Dent Corn. Our seed is grown on our own farm near Chicago. We offer ears in 1 bushel crates or shelled. Prices of ear corn, bu., \$3.00; 3 bu., \$8.25. Shelled from selected ears, ½ pk., 35c; pk., 60c; bu., \$2.00; 2 bu., \$3.75. Postpaid pkt., 10c; pt., 25c; qt., 40c.

**MINNESOTA No. 13, or WISCONSIN No. 8.** A heavy yielding, extremely early Yellow Dent. Matures in 90 days of Corn Weather. Furnishes a good amount of fodder, 8 ft. on good soil. Ears medium, 8 inches, 16 rowed and tapering. The kernels show a good Dent type and are of good depth. Central Michigan grown, shelled, from selected ears. Price, ½ peck, 35c; peck, 60c; bu., \$2.00; postpaid, pkt., 10c; pint, 25c; quart, 40c.

**SILVER KING, or WISCONSIN No. 7.** See illustration. Matures in 100 to 105 days. Introduced the last four years by Prof. Moore, of the Wisconsin Experiment Station. Of good cylindrical shape. Ears 8 inches, usually 16 rowed. The kernels are deep set, just thick enough that rapid ripening is not checked. Excellent for Southern and Central Wisconsin, Northern Illinois, Southern and Central Michigan. Wisconsin seed. Price, on the ear, bu. crates, \$3.00; shelled, from selected ears, ½ peck, 35c; peck, 60c; bu., \$2.00; postpaid, pkt., 10c; pint, 25c; qt., 40c.

**PRIDE OF THE NORTH.** Well known early yellow Dent. Will ripen in Northern Illinois and Iowa. Will mature in 90 to 95 days of good even weather. Type varies. Grown in Northeastern Nebraska. Price, shelled, peck, 50c; per bu., \$1.70; 2 bu., \$3.25, including bags; postpaid, pkt., 10c; pint, 25c; qt., 40c.

**NORTH STAR.** An early Yellow Dent which has been carefully selected for thirty years, catalogued and sold by Vaughan's Seed Store for more than twenty years. Sixteen rows, deep grain, small red cob, the most valuable Dent Corn, suitable for Corn Belt in the latitude of Southern Minnesota and Middle Wisconsin. Our seed is grown this season in the vicinity of Baraboo, Wis., and is safe for planting in such corn belts and south of there. Price, shelled, from selected ears, tipped and butted, peck, 65c; bu., \$2.25; 4 bu., \$8.50.

**PICKETT YELLOW DENT.** The variety has won many prizes for the best Michigan Corn. A small edition of Reid Yellow Dent, slightly later than Madison, and ear a little smaller. The kernels, however, are very tightly set in the cob, with almost no space between the rows. Central Michigan seed shelled from selected ears, ½ peck 35c, peck 60c, bu \$2.00.

**THE "CHAPMAN" CORN.** An early, pale yellow, deep grained, superior shelling, light-capped Dent Corn, bred by the Chapmau family, first in Northern Ohio, beginning in 1818, and after 1845 in Michigan, where its high reputation is well-known. Kernels grow set with little space between; ears large, slightly tapering. A certain maturing, high yielding corn for Northern Northern Illinois, Indiana to Central Michigan and Wisconsin. Michigan seed, ½ peck 40c, peck 65c, bu \$2.25.

**GOLDEN SURPRISE.** Remarkable for its small cob and high shelling qualities. Central Ohio seed. Recommended for localities south of line drawn from Cleveland to Peoria. Price, ½ peck 35c; peck 60c; bu \$2.00; 2 bu \$3.75.

**DAKOTA SUNSHINE DENT.** Matures in better than 90 days. Ears 7 in., quite hard, slightly dented and yellow, tinged with red in color. Good for late planting in central locations, and may be planted closer than later sorts. Dakota-grown shelled, ½ peck 35c, peck 60c, bu \$2.25.

### FLINT VARIETIES.

**RHODE ISLAND WHITE CAP FLINT.** This is the White Flint variety used in New England for hominy and hulled corn; for table quality, flavor and sweetness it is the best variety of Indian Corn. Its ample foliage makes it desirable for ensilage and fodder. Price, shelled, pkt., 10c; pint, 25c; quart, 35c; peck, 55c; bu., \$1.85.

**GIANT LONG FLINT.** A tawny and smoky white variety, one of the best for ensilage and fodder because of its suckering habit and breadth of blade. Price, ½ peck, 35c; peck, 60c; bu., \$2.00; 2 bu., \$3.75. Postpaid, large pkt., 10c; pint, 25c; quart, 35c.

**GOLDEN DEWDROP.** A handsome bright, yellow, 8-rowed Flint. Price, shelled, large pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 60c; bu., \$2.00; 2 bu., \$3.75.

**KING PHILIP.** Reddish Flint. Price, shelled, pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 60c; bu., \$2.00.

**WILL'S JEHU 70-DAY.** This is probably the earliest valuable Yellow Corn we have. It has won first premium in Dakota for the best Yellow for that climate. Pkt., 10c; pint, 25c; quart, 40c, postpaid. By express, ½ peck, 45c; peck, 75c; bu., \$2.50; 2 bu., \$4.75.

**LONGFELLOW FLINT.** A beautiful 8-rowed Yellow Flint. Ears from 10 to 15 inches long; very prolific. Price, shelled, large pkt., 10c; pint, 25c; quart, 35c, postpaid. Peck, 65c; bu., \$2.25.

**SMUTNOSE** A standard Michigan variety. Peck 60c, bu \$2.00.

**FODDER CORN** Bags 25c each on Bushel Lots and Over.

**SWEET FODDER** There is nothing better for Summer and Fall green feed or for curing for Winter than Sweet Corn; being sweet and palatable, cattle eat every part of the stalks and leaves. Always a great favorite with dairy farmers, and excellent for soiling. Peck 75c, bu \$2.50, 2 bu \$4.75.

**Virginia Mammoth White Horse Tooth** Well known everywhere. Peck 45c, bu \$1.35, 5 bu \$6.35.

**"Red Cob" Ensilage or Fodder** This selection has a great reputation for this purpose. It has a deep red cob, leafy stalks and short joints. Adapted to all sections of the country, and a general favorite with thousands of dairy farmers. Peck 40c, bu \$1.15, 5 bu \$5.35.



MADISON YELLOW DENT.



SILVER KING.

ADD 20c PER BUSHEL TO ABOVE PRICES IF ORDERED FROM NEW YORK STORE.



# VAUGHAN'S FARM SEED

## DEPARTMENT

Our list of grains, field and grass seeds, soiling plants and the like will be found to be made up of standard varieties and such new things as have been thoroughly tried and proven. All of our seeds are good samples, carefully re-cleaned and from most reliable sources and growers. Samples on request.

**PRICES**—The market on this class of seeds is changing constantly and prices given below are subject at all times to market changes. On account of our central situation in Chicago and New York, the two great trade centers, we can buy and sell as cheaply as any house in the United States. When our prices seem high, write for the latest market quotations.

### SEED BARLEY

**Oderbrucker Barley.** (Wisconsin No. 55). A heavy yielding and plump six rowed variety. Introduced in 1906 by the Wisconsin Agricultural College. Through Prof. Moore of that College, this barley was given an exhaustive series of trials by many members of the Wisconsin Agricultural Experiment Association; the result showing an average yield of five to ten bushels more per acre than other six rowed sorts. It is now regarded as the best barley for localities similar to Wisconsin. Compared to the ordinary strains of Manshury Barley, its only competitor, Oderbrucker has a stiffer straw; is a better yielder and being a more vigorous grower is a better rust resister. The grain is large and plump and chemically analyzed shows a high protein content, making it exceptionally valuable for feed. One of the best also for malting purposes.

Our seed is a good sample, Wisconsin grown, from seed secured through the Wisconsin Agricultural Experiment Station. Sample on application.

Price peck 40c, bush \$1.20, 10 bush \$11.00. Add 22c each for 2 bush. grain bags.

**Manshury Barley.** This is the standard six rowed barley and is generally recognized as the most reliable yielding sort under all conditions. It is an early sort with good stiff straw-bearing long plump heads. The grain is large and has no superior for malting purposes.

Our seed is very good this year, clean, bright and a heavy sample of the improved strain. Price peck 40c, bush \$1.20, 10 bush \$11.00. Add 22c each for 2 bush. grain bags.

**Success or Beardless.** This is earliest and hardiest of all barleys. May be sown as early as possible in the Spring without danger from frost. The straw is heavy and stands up under a heavy crop. The grain is without beards and can be handled and threshed as easily as oats and is in stock feeding of much more value than common barley, as it may be fed without danger of injury to the animals. The yield compares favorably with the bearded varieties. Price peck 40c, bush \$1.35, 10 bush \$13.00. Add 22c each for 2 bush. grain bags.

**White Hulless.** This variety is strictly a feeding sort. It has a grain like that of wheat, with no beards or hulls. In feeding value it is almost equal to wheat and the yield is nearly twice as large. In the Northern states where Corn does not mature a crop, White Hulless barley is extremely valuable, as it produces a good quantity of feed and is very early. As a dry feed it has no superior.

The straw is heavy, with good leaves, and when cut green makes good hay. Our seed is grown in the far Northwest and is heavy, fine, bright and very free from hulls. This variety never runs entirely true to type. Price peck 45c, bush \$1.50, 10 bush \$14.00. Add 22c each for 2 bush. grain bags.

### BIRD SEED Prices do not include postage

We have facilities for supplying Fancy Clean Bird Seeds and Bird Foods; the best only, re-cleaned and dust blown out. The highest grade seed only, of every kind, is used in Vaughan's Mixture. These are prices by freight or express. If wanted by mail add 10c per lb.

**BIRD SEED, VAUGHAN'S MIXED.** Lb 10c, 5 lbs 40c, 10 lbs 75c.

**BLUE MAW (Poppy).** Per lb 20c, 5 lbs 80c.

**CANARY SEED.** Per lb 10c, 5 lbs 40c, 10 lbs 75c.

**CUTTLEFISH BONE.** Per lb 30c.

**HEMP.** Per lb 10c, 5 lbs 40c, 10 lbs 70c.

**LETTUCE.** Per ¼ lb 10c, lb 25c, 5 lbs \$1.00.

**MILLET, RECLEANED.** Per lb 6c, 10 lbs 50c.

**MOCKING BIRD FOOD.** Per lb tin 35c.

**RAPE.** Per lb 10c, 5 lbs 45c, 10 lbs 80c.

**SUNFLOWER.** Per lb 10c, 5 lbs 40c, 10 lbs 75c.



PRINCIPAL GRAIN AND GRASSES OF THE CENTRAL STATES.

### AUSTRALIAN SALT BUSH

A forage plant for arid or alkali lands. The plant after three seasons neutralizes the soil so other plants will grow. One pound to the acre. Sow in garden bed, and transplant 7 feet apart. Price, 1 oz 15c, ¼ lb 40c, lb \$1.25, postpaid.

### COTTON 25 lbs. per acre

**Medium Boll.** We have fine seed of this type of cotton, from a careful Georgia grower. One of the best for the South Atlantic region. Price, lb 15c, postpaid. By express, peck 75c, bush (40 lbs) \$2.00.

**Large Boll.** Selected Georgia Seed. Lb 15c postpaid, peck 65c, bush (40 lbs) \$1.50.

### CHUFAS, or EARTH ALMONDS

Used to fatten hogs. The nuts grow under the ground very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, in rows 3 feet apart, and 8 to 10 inches apart in the row. If seed is dry, soak before planting. Sow 15 lbs. of seed per acre. Pkt 10c, lb 30c, postpaid. By express, lb 20c, 10 lbs \$1.50, 100 lbs \$12.00.

(See other pages for prices on Peanuts, Artichokes, etc.)

### BROOM CORN

**Improved Evergreen.** The most popular variety in the Western broom corn growing localities. Brush of good length and handsome appearance and shows almost no red color. Sow 15 lbs. to the acre. Price lb 20c, postpaid. By freight or express, 10 lbs 50c, 50 lbs \$2.25, 100 lbs \$4.25.

**Oklahoma Dwarf.** An extra early sort. Average height about 5 feet. Price same as above.

### BUCKWHEAT

Market price changes. Write for quantity prices.

Buckwheat is mostly used for filling in fields remaining unplanted after the middle of June. It is well to bear in mind that on worn-out soils a plowed under buckwheat field is a great soil fertilizer and improver. Sow 25 lbs. per acre.

**Japanese.** A popular and standard sort. Very large grains of dark brown color. Early and heavy yielding. Choice re-cleaned seed. Peck 40c, bush (48 lbs) \$1.30, 2 bush or over \$1.20 per bush, bags included.

**Silver Hull.** A very prolific and early sort. Grain a light gray in color. A great favorite with millers on account of the white flower it produces. Choice seed, peck 40c, bush (48 lbs) \$1.30, 2 bush or over \$1.20 per bush, bags included.

### FLAX SEED

Flax is a very profitable crop on new land. Sow early, as soon as possible after danger of frost. To raise seed, sow one-half bushel per acre; for fiber, one bushel. Price subject to change. Re-cleaned seed, free from weeds, peck 75c, bush \$2.85, bags included.



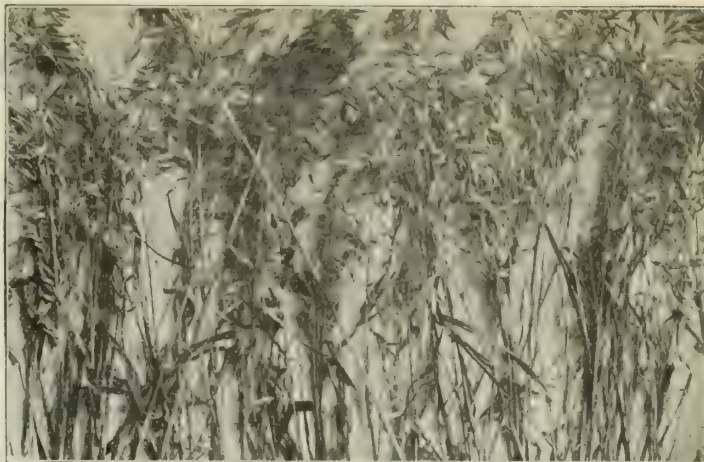
# SEED OATS

Note the Oat prices quoted here include Burlap bags, if wanted in grain bags, add 22c for each 2½ bushel order.

## SWEDISH SELECT (The Best Early Oats)

Introduced a few years ago by the U. S. Department of Agriculture and today the most largely planted of all varieties in the Northern Central States.

Briefly described the Oat is pure white in color; the hull is thin and the kernel large and plump; straw is stiff and strong enough not to lodge. A remarkable root development makes the Swedish Oat a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. Price peck 35c, bu \$1.15, 10 bu at \$1.00 per bu, 2½ bus bags included.



SWEDISH SELECT OATS.

## WHITE TARTAR (Long's)

This early variety recently introduced in the Eastern States where it has made an enviable record has also done remarkably well in the West. On our own farms it has outyielded for two successive seasons both the Swedish and Lincoln varieties. It is a heavy oat with long stout straw which stands up well without lodging. The heads are large; the grains thick and heavy with a thin hull. We have a clean heavy lot of seed. Price peck 40c, bu \$1.30, 2½ bu \$3.15, 10 bu \$12.00, burlap bags free.

## LINCOLN

One of the most popular Oats in the great grain sections of Wisconsin and Minnesota. It is a very heavy yielder. Growth is strong; season comparatively early and a good rust resister. The grain has a thin hull, heavy meat and soft rib, making it especially valuable for milling into oatmeal as well as feeding. We have heavy Minnesota grown re-cleaned seed. Price peck 35c, bu \$1.15, 10 bu lots at \$1.00 per bu, 2½ bushel bags included.

## KHERSON OR SIXTY DAY OATS

The most popular new Oat for rich prairie soils. A very early variety and produces large yields. The straw is short and on rich soils does not lodge as do most oats. The grain is small with a remarkably thin hull and light yellow in color. Introduced by the Nebraska Experiment Station and in that state the best yielding sort. An excellent feeding oat, the only objection to it being its color which injures its value to some extent for market purposes. Price peck 35c, bu \$1.15, 10 bu lots at \$1.00 per bu, 2½ bushel bags included.

## BLACK TARTARIAN

The darkest of the black Oats and a very heavy cropper. It is extremely hardy and seldom lodges. The grain is black, heavy and of high feeding value. We offer clean, heavy Canadian grown seed. Price peck 40c, bu \$1.40, 3 bu in grain bags \$4.00 bags included.

## WINTER TURF

Valuable for winter grazing and grain in the South. Its turfing and stooking qualities are remarkable, even when thinly sown soon spreads and covers the ground. Sow ½ to 2 bushels per acre. Price lb 30c, 3 lbs 65c, postpaid. Not prepaid, peck 35c, bu \$1.35.

## MILLETS Fancy Recleaned

These prices are at Chicago, most Millet seed being grown in the west. If ordered from our New York store, add one-half cent per pound to these prices. Write us for market prices and samples on larger lots, because the market varies often. Price includes bags.

### GERMAN OR GOLDEN

Planted on good land produces a large crop of hay or forage during the summer months and leaves the ground in the finest condition for wheat. There is no larger yielding forage plant. Seed is valuable for poultry. (Bu., 50 lbs.) Sow ½ bushel to the acre. Values constantly changing. Write for prices. Bu \$1.75, 100 lbs \$3.00, bags included.

### HUNGARIAN GRASS

Yields heavy growth of excellent hay. When saved for hay should be cut before the seeds become hard. Can be (Bu., 48 lbs.) Sow ½ bushel to the acre. Subject to market changes. Write for latest prices. Bu \$1.85, 100 lbs \$3.25, bags included.

### JAPANESE MILLET

Entirely distinct. It grows 6 feet, yields 10 tons green fodder per acre. When cured it makes an excellent quality of hay, and is a much relished green fodder. Cure as you would a heavy crop of Clover. It may be sown from the middle of May to the 1st of July, broadcast, at the rate of 15 lbs. per acre; but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and cultivate until 15 inches high, when its rapid growth will smother all weeds. Lb 15c, postpaid. By freight or express, 10 lbs 60c, 50 lbs \$2.00, 100 lbs \$3.75.

### PEARL OR CAT-TAIL MILLET

No other plant makes so much forage. Three succession cuttings of one crop in Georgia yielded 52,416 lbs. per acre. Stools at ground; thick foliage. Can be cut when 3 feet high. Sow 5 lbs. per acre in drills, 3 feet apart or broadcast at the rate of 25 lbs. per acre ¼ lb 10c, lb 25c, postpaid. By express, lb 15c, 10 lbs 85c, 100 lbs, \$7.00, bags included.



GERMAN MILLET



WHITE TARTAR OATS



## VAUGHAN'S FARM SEED DEPARTMENT

### SUGAR CANE—Vaughan's Early Amber

The value of Sugar Cane as a green fodder crop is yearly becoming better known and appreciated by the dairy farmer. It is the best green food that can be grown for feeding cows, horses and young stock during the dry spells which we usually have in August and September. Even fodder corn does not produce so rich and rank a growth of good feed for so little money as Sugar Cane. A great quantity of feed may be had from a half acre sown to this crop with a little more than \$1.00 invested for seed—sow 60 pounds to the acre.

We offer both northern and southern seed. Northern seed, ¼ lb 10c, lb 20c, postpaid; by freight or express, 10 lbs 50c, 50 lbs \$2.00, 100 lbs \$3.75.

Southern seed for fodder purposes, 10 lbs 40c, 50 lbs \$1.60, 100 lbs \$3.00.

**KAFFIR CORN** One of the best forage plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature (in climates similar to Central Kansas) a full crop of grain and a second full crop of forage by Oct. 15. For grain sow in rows 3 feet apart, 5 lbs. per acre. For fodder, sow three pecks broadcast. Price per pkt 5c, lb 15c, 3 lbs 40c, postpaid. By freight or express, 100 lbs \$2.25, bags included, 10 lbs 35c, 50 lbs \$1.25.



Dwarf Essex  
Rape

### SPELTZ OR EMMER WHEAT

A grain especially suited for dry lands. Being perfectly hardy can be sown in the Fall or early in Spring like Oats. Speltz grows best in dry prairie regions with hot Summers and does well in poor or stony ground. It is a better drought and rust resister than either Oats or Barley. The feeding value is high and the yield is considerably better than Oats or Barley. Minnesota seed.

Lb. 15c, 3 lbs 40c, postpaid; bush 40 lbs \$1.00, 5 bush at 85c per bush, bags included.

**SPRING RYE** A good catch-crop, as it may be sown later than most grains. Not so good a yielder as Winter Rye. Price, peck 40c, bu \$1.50, bags included.

**JERUSALEM CORN** The best and surest grain crop for dry countries and seasons; 3 feet high. Makes one large head on main shoot and several small heads on side shoots. Sow 3 to 5 lbs. per acre. Pkt 5c, ½ lb 15c, lb 25c, prepaid. By freight or express, 10 lbs 80c, 50 lbs \$2.75, 100 lbs \$5.00, bags included.

**MILO MAIZE** A variety of sorghum, non-saccharine, growing stalks 8 to 10 feet high. It bears dry weather and makes its crops where corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs. per acre. Lb 20c, postpaid. By freight or express, 10 lbs 50c, 50 lbs \$1.60, 100 lbs \$3.00.

### DWARF ESSEX RAPE

This is an ideal sheep feed, easily grown; perfectly hardy and possesses remarkable fattening properties. One acre will pasture 36 head of sheep two months and lambs will make a gain of 8 to 12 pounds a month. Pigs and cattle are also very fond of it. The plant is a rank grower and should have heavy manuring as well as high cultivation. Any corn soil will grow Rape. Sow the seed by the end of June and the crop can be ready to feed at a season when it is most needed. It does well sown with oats. After oats are cut the Rape grows rapidly. If the soil is rich and clean, sow broadcast; if not so clean, sow in drills and cultivate as for corn. When sown broadcast use 5 lbs. and if in drills 2 lbs. to the acre. True Dwarf Essex Rape, our own importation. Pkt 10c, ¼ lb 15c, lb 25c, postpaid. By freight or express, 10 lbs 75c, 25 lbs \$1.50, 50 lbs \$2.75, 100 lbs \$5.00, bags included.

### WHEAT—SPRING

Subject to market fluctuations. Write for prices. 2 bu grain bags 20c.

**Blue Stem** A heavy yielding variety, very popular in the Northwest. Heads are large and well filled. Plants stool freely. Our seed is carefully selected. Price, pk 50c, bu \$1.75, 5 bu \$8.50.

**Saskatchewan Fife** A very hardy and productive red variety. Makes the famous Northwest No. 1 milling wheat. Price, pk 50c, bu \$1.75, 5 bu \$8.50.

**Macaroni or Durum** We have true and carefully selected stock of this now famous introduction of the U. S. Dept. of Agriculture. Best for dry districts. Price, pk 50c, bu \$1.60.

**FARM BOOKS, By Mail, Postpaid.**

See also List of Rural Books, page 149.

Farm Appliances. Illustrated. Very valuable, cloth .....	\$0.50
Farm Drainage. French's. Cloth .....	1.00
Farm Gardening and Seed Growing. Brill. Cloth .....	1.00
Fertility, The, of the Land. By I. S. Roberts. Cloth; 415 pages .....	1.25
Fertilizers. By Prof. E. B. Voorhees. Cloth; 335 pages .....	1.25



Field of Early Amber Cane Grown in Central Michigan

### MAMMOTH RUSSIAN SUNFLOWER

*The Giant of all Sunflowers*

This is the best variety for the farmer to grow. It reaches double the size of the common sort and yields twice as large a crop of seed. The seed is much used for poultry and parrot food and has a high feeding value. The leaves of the plant make a good fodder for all kinds of stock. Besides its value for poultry, the seed can also be fed to the horses and yields also a high quality oil. Oz 5c, lb 10c, postpaid 20c; by express or freight 10 lbs 75c, 25 lbs \$1.50, 100 lbs \$5.25.

**GIANT SPURRY** An annual plant extensively cultivated in Europe as a winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil and valuable for forage. Sow 12 lbs. per acre. Price per lb 25c, 3 lbs 65c, postpaid. Express, 5 lbs 60c, 10 lbs \$1.00.

**TEOSINTE** A valuable continuous cutting forage plant for Southern and Southwestern states, furnishing a most nutritious food green or dry for horses and cattle. It resembles Indian corn, the leaves being larger and the sap sweeter. Sow in May or June in drills 3½ to 4 feet; 2 to 3 lbs. per acre. Pkt 5c, oz 15c, ¼ lb 35c, lb \$1.00, postpaid.

### PEANUTS

**Spanish** The earliest variety grown; pods are small, but remarkably solid and well filled. Interesting for children. Sow in drills 3 feet apart, placing the nuts 8 to 10 inches apart to allow for the bushy habit of the plants. Pkt 10c, ¼ lb 12c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.

**Mammoth Virginia** The most profitable variety to grow as a market crop, though not so early as Spanish; more easily cultivated; very erect stems and upright foliage with large pods and kernels. Sow in drills 4 feet apart, placing the nuts 6 inches apart. Pkt 10c, ¼ lb 20c, lb 30c, postpaid. By express, lb 20c, 5 lbs 75c.

**Jumbo or New Orleans Special** This is the giant of the lower Mississippi Valley; surprises everybody. Pkt 10c, ¼ lb 25c, postpaid.

The planting of Leguminous crops, the air nitrogen gatherers, is the cheapest manner of adding the highest priced and most valuable fertilizer, nitrogen.

## Nitrogen Gathering Crops and Clovers

**NEW VELVET BEAN** A very heavy yielding Legume belonging to the Soja and Cow Pea class. The most rampant growing of all these sorts. Very popular in the South—and of value in the North for a cover crop. Price, 3 oz pkt 10c, ½ lb 20c, lb 30c, postpaid. By freight or express, ½ pk 60c, pk \$1.00, bu \$3.50, bags included.

**GIANT BEGGAR WEED** (Florida Forage Plant.) An upright growing Legume. A fine fodder plant which reaches immense size, also good for plowing under light soils. Cut for hay when first blooms appear. Plant 10 lbs. per acre. Pkt 10c, ¼ lb 20c, lb 60c, postpaid. By freight or exp., 5 lbs \$2.00, 10 lbs \$3.75.

### VAUGHAN'S SEED POTATOES

Have a good reputation of over twenty-five years' standing. True to Name. Grown by only experienced and careful men. Hand Sorted. Free from scab, the prongy and small stock thrown out. Grown in the Far North. In the Red River Valley of Dakota. **PRICES RIGHT.**—Our prices are low, quality considered

**FENUGREEK** Annual. The seed is often sought by hostlers to give a temporary fire and vigor to their horses. Good for soiling. Oz 10c, ¼ lb 15c, lb 30c, postpaid.

**LENTILS** A leguminous annual. Succeeds best in dry, sandy soil. Splendid pigeon food and also used for soups. Lb 25c, postpaid. By express, 10 lbs \$1.40.

**LUPINS, YELLOW** Succeeds well on very poor soil and is exceedingly valuable for ploughing under to improve sandy soil. Good forage, green or as hay. Sow after frost; 50 lbs. per acre. Lb 30c, postpaid. By freight or express, 10 lbs \$1.50.

**SAINFOIN, or ESPARSETTE** An excellent perennial Fodder Plant, growing about 3 feet high, flowering in June and July. It is adapted for light, chalky soils, being an enriching, heat-resisting Clover; does well in Southern and Western States. May be sown in drills or broadcast. Sow 25 lbs. per acre broadcast; 12 to 15 lbs. in drills. Lb 25c, postpaid. By freight or express, 10 lbs \$1.20, 50 lbs \$4.50, 100 lbs \$8.50.



# CLOVERS AND NITROGEN GATHERING CROPS

**PRICES.** Clover and Alfalfa prices often vary greatly from week to week according to market. The prices below represent fair market values when this book is printed and are subject to change. Purchasers of large quantities should write for latest prices. Grain bags holding 2 bushels, 20c each extra.

## ALFALFA OR LUCERNE

### The best paying crop on the farm

Alfalfa once established is such a profitable crop that every farmer can afford to take great pains to obtain a stand. So much has been written concerning the high feeding value of this crop, its wonderful yields and fertilizing value to the land, it would be wasted time and space to go into details.

In the Eastern and North Central states there have been a great many failures in efforts to establish Alfalfa; however, with increasing knowledge of its needs, we find more successful plantings each year and it is safe to prophesy that within twenty years there will be a good sized field on nearly every farm. Farmers who have not tried the crop should begin with a small experiment and gradually increase the acreage.

Methods of planting vary greatly. In the East spring sowing has not been generally successful as weeds start earlier than Alfalfa, win the race and spoil the stand. A successful method has been to manure the alfalfa field in winter or early spring and harrow it with a disk. Harrow as early as possible. Let a plowing follow and afterwards disk at regular intervals. Disking is practiced to keep down weeds and to prevent hardening of the ground. After a thorough cultivation and harrowing, about the last of July, broadcast the seed about 20 lbs. to the acre. Harrow it in one inch. Do not sow on wet, acid or poor soils.

We offer American grown seed, raised in the Northwest and West on non-irrigated land. It is as free as possible from noxious weeds. Purchasers of Alfalfa should examine their seed carefully themselves, or submit samples to authorities like their State Experiment Stations, or better, the Seed Laboratory at Washington for analysis. Lb 30c, (by mail 38c), 10 lbs \$2.25, 100 lbs \$20.00.

## TURKESTAN ALFALFA

Seed imported from Asia. It is generally regarded as more hardy than American seed. Uniform hardy seed is hard to obtain as there is a great variation in climate in Turkestan. Small plantings only recommended. Lb 30c (by mail 38c), 10 lbs \$2.25, 100 lbs \$20.00.

## FANCY MEDIUM RED CLOVER

Clover seed this year is much higher than last owing to a bad winter and summer drought. Much seed is light, weedy and of poor germination. Sow the cleanest highest germination seed you can find. If unable to determine yourself what is good, send samples of what you are offered to your State Experiment Station or the United States Department of Agriculture Seed Laboratory at Washington for analysis. Our seed is the purest and highest high testing seed we can buy and we are at all times willing to submit samples from identical lots of seed. Sow 8 to 10 pounds to the acre.

Price January 20th, 100 lbs, \$17.50, bu \$10.75, 10 lbs \$2.00, 1 lb 25c (by mail 33c).

## MAMMOTH RED CLOVER, FANCY SEED

Grows larger than the medium, does well on light thin lands. Price Jan. 20th, always subject to market changes, 100 lbs \$17.50, bu \$10.75 10 lbs \$2.00, 1 lb 25c (by mail 33c).

## WINTER VETCH, *Vicia Villosa*

The Winter Cover Crop. Also called Sand or Hairy Vetch. This is a hardy legume sown in the Northern states in the Fall months, growing well that season, and remaining green all winter. It supplies a place in the North that the less hardy crimson clover does in the South. As a Winter cover crop, it prevents washing or leaching of soil during the Winter, and at the same time being a nitrogen gatherer enriches the soil. Vetch also furnishes a very valuable hay or pasture.

Drill for cover crop, 10 to 20 lbs. per acre. For hay use, 1 bushel. Price lb 25c, postpaid. Bu 60 lbs \$4.50, 100 lbs \$7.00. Write for latest prices in fall. We are headquarters on this seed.

## SPRING VETCH, or TARES

(*Vicia Sativa*—Oregon Vetch.) Sown broadcast at rate of 1 to 1½ bushels to acre, like wheat or barley, and sometimes mixed with oats for soiling. Valuable for orchards. Used in France and Canada as a substitute for peas. Culture same as field peas. Per qt 20c, pk 85c, bu \$3.00. Bags 20c each, extra.

## CANADA FIELD PEAS

Very valuable in the Northern States for cattle feeding. Excellent for horses and pigs when sown with oats. With the present season's high prices for oats farmers will find it very profitable to sow these peas with oats for feed. We have a splendid grade of Northern grown fancy seed. Sow broadcast and harrow in at the rate of 2 bushels per acre. If sown with oats use one bushel. Present price (market fluctuates), bu \$2.10, 2 bu \$4.00, 10 bu \$18.00, includes bags. Write for price on larger lots.



WINTER VETCH



## ALSIKE or HYBRID CLOVER

For wet, cold and stiff soils. Seed is small and plants a wider area than Medium or Mammoth. Sow 5 to 6 lbs to the acre. Vaughan's (V) Brand, lb 25c (by mail 33c), 10 lbs \$2.00, bu (60 lbs) \$19.00, 100 lbs \$16.50.

## WHITE CLOVER

Mixed with other grasses. For lawn purposes this is very desirable on account of its creeping stems. It spreads rapidly and acts as a binder. Very hardy. In permanent pastures is of considerable value. Crop is extremely short this year. Extra fancy seed. Lb 40c (by mail 48c), 10 lbs \$3.50, bu (60 lbs) \$18.50, 100 lbs \$30.00.

Choice Seed. Clean, but not as bright as above. Lb 35c (by mail 43c), 10 lbs \$3.25, bu (60 lbs) \$16.50, 100 lbs \$25.00.

## CRIMSON CLOVER

Annual crop much used in the East and South for soiling or pasture. It is being tried in the North. Lb 25c (by mail 33c), 10 lbs \$2.00, bu (60 lbs) \$10.00, 100 lbs \$16.00.

## BOKHARA or SWEET CLOVER

Used for soiling. Also valuable for planting near bees. Lb 30c, (by mail 33c), 10 lbs \$2.50.

## COW PEAS The Great Soil Improver

Market price unsettled. Write us for latest quotations.

More and more Cow Peas are planted every year as the farmer realizes more and more their great value as a soil enricher. The plant is a legume, and through the agency of the nitrogen producing bacteria on its roots adds this valuable plant food to the soil much cheaper than it is possible to obtain it in any other way. Cow Peas make excellent hay; should be cut and cured the same as Clover; then the stubble with its new growth may be turned under as a fertilizer. Kaffir corn sown with Cow Peas holds the vines off the ground, causing a better growth.

For those in the North who have had poor success with Cow Peas, we suggest the plant must have a warm, almost sandy soil. Where never grown before, the best results may be had in drilling the seed and cultivating at first as for field beans—the growth being quite slow at first; weeds get the best of things unless kept down.

## NORTHERN GROWN COW PEA: Michigan Favorite

A true early

type, so long sought. The best for Northern planting, as it ripens as far north as Central Michigan and Wisconsin. Peck 90c, bu \$3.25.

## SOUTHERN BLACK EYE

Peck \$1.00, bushel \$3.50.

## WHIP-POOR-WILL

Peck 90c, bushel \$3.25.

Postpaid price all Cow Peas 35c per quart.

Write for latest market price on quantity of any of the above

## SOJA OR SOY BEANS

A valuable legume somewhat on the order of cow peas. The dry beans and green forage furnish good feed, being high in protein and, also like Clover, a nitrogen gatherer, enriching the soil. Used as hay when cut before the pods are fully developed. Also often mixed with corn and used in silos. The beans are sown after all danger of frost, in drills 30 inches apart, and 3 or 4 inches apart in the row. One-half bushel is usually needed per acre.

## SOUTHERN GROWN SOY BEANS

Yellow 1½ peck 60c, peck \$1.00, bushel \$3.50.

Northern Grown. Write for prices and varieties



# Vaughan's High Grade Recleaned Grass and Clover Seeds.

Our endeavor is to handle only the very best and purest grass seeds. Our fancy grasses for lawns and golf courses, as well as our standard farm species, are direct from the producers and are the very best samples the market and season afford. We supply only the best and highest germinating seed and our prices are based on supplying this quality. We cannot, therefore, nor do we wish, to compete with half-cleaned, mixed and graded seed offered at cheaper prices. We invite analysis and microscopic examination.

Prices on grass seed fluctuate like those of grain, changing daily, therefore, although we shall do our our best to main-

tain the prices below; these figures are at all times subject to market changes. Should these seem high, write for the latest quotations. Our locations, Chicago, the grass seed center of the United States, and New York, the largest importing center, put us in a position to quote the very lowest prices on the qualities we supply. Samples for the asking.

Prices below do not include postage. If desired by mail, add 8c per lb. Grain bags 25c each extra for bushel lots or more. Unless otherwise noted, prices on this and the next two pages apply to shipments either from Chicago or New York.



RED TOP GRASS (*Agrostis Vulgaris*).

## RED TOP GRASS (*Agrostis Vulgaris*).

This is one of the most generally useful agricultural grasses we have. It will grow upon every soil and give entire satisfaction to the farmer. It is not only a good meadow grass, but is one of the best pasture species, grazing being a benefit and almost a necessity for its perpetuation and preservation. In a moist soil it does the best, and in swampy places that would otherwise produce nothing in the grass line, Red Top will thrive with the greatest vigor. Where other grasses demand special soils, Red Top will do well, whatever is the character or location of the soil. Not so good as Timothy for hay, but as a combination for hay and then pasture, it is the best of nearly all the economic grasses. Sow alone or with a nurse crop. One bushel of chaff, or unhulled Red Top, or one-half bushel of Fancy Seed is sufficient to sow an acre.

For lawn purposes it is one of the very best, forming a low growing turf and germinating rapidly. Seed comes in two grades—the chaff or unhulled seed, weighing 14 lbs. to the bushel, and the fancy, re-cleaned from chaff, seed, weighing 32 lbs. to the bushel. Our seed is the cream of this year's crop, has been carefully re-cleaned and is free from noxious weeds and light chaff.

**Fancy.** Bushel, 32 lbs. Lb., 25c (by mail, 33c); 10 lbs., \$1.85; 100 lbs., \$18.00.

**Common.** Bushel, 14 lbs. Lb., 15c (by mail, 23c); 10 lbs., \$1.20; 100 lbs., \$10.00.

## AGROSTIS CANINA (*Rhode Island Bent Grass*).

A valuable lawn grass. Resembles Red Top somewhat, but has shorter and narrower leaves. Much used in the East, especially in the New England States. Makes a very fine colored, close turf and readily adapts itself to almost any soil, wherein again it is similar to Red Top. Of considerable value for permanent meadows and pastures. For lawn sow 3 to 4 bu. This seed is imported, and on account of poor crop conditions in Europe this season, is scarce. 14 lbs. to the bushel. Lb., 35c (by mail, 43c); 10 lbs., \$3.25; 100 lbs., \$30.00.

## AGROSTIS STOLONIFERA (*Creeping Bent Grass*).

The ideal grass for golf-putting greens. Very distinct, with long prostrate or creeping stems. Its creeping root and spreading habit form a lasting turf that withstands hard usage better than other sorts. The leaves are fine and dense growing, making it valuable for low bottom lands and especially for slightly sandy soil. Good for both hay and pasture. Our sample specially cleaned and heavy. Seed scarce. Sow 50 lbs. to the acre. 14 lbs. to the bushel. Lb., 35c (by mail 43c), 10 lbs., \$3.25; 100 lbs., \$30.00.

## ALOPECURUS PRATENSIS (*Meadow Fox Tail*).

The most valuable grass for moist meadows and pastures, particularly the latter. One of the earliest of all grasses, thus permitting early pasturage. Very hardy, and after the second or third year, when it comes to full yield, produces a large amount of excellent forage. Should enter into all mixtures for permanent pastures. Is never sown alone, as it does not reach maturity for two or three years. Sow with other grasses, 8 to 4 lbs. to the acre; 7 lbs. to the bushel. Lb., 40c (by mail 48c); 10 lbs., \$3.75; 100 lbs., \$35.00.

## ANTHOXANTHUM ODORATUM PUELLI (*Sweet Vernal Grass*).

An annual of sweet scent but bitter taste, so that it is of small value for pasturage, but is of some value for lawn purposes. 10 lbs. to the bushel. Lb., 25c (by mail, 33c); 10 lbs., \$2.00; 100 lbs., \$17.00.

ANTHOXANTHUM ODORATUM (True Sweet Vernal). A perennial. Lb., 70c (by mail, 78c); 10 lbs., \$6.50.

## AVENA ELATIOR (*Tall Meadow Oat Grass*).

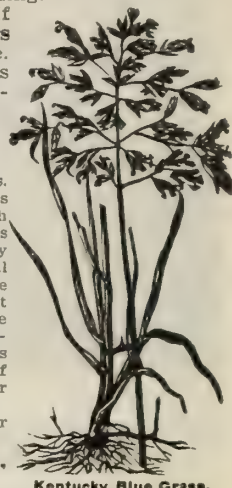
An excellent meadow grass both for Winter grazing and for hay for the Southern States and dry climates. Growth is rapid, it blooms early and when cut dries out rapidly. Not suited to heavy, moist soils. Yield very heavy, permits three to four cuttings on good soil. Should not be sown alone, as it does not form a compact turf. Very hardy, withstanding extreme drought, heat and cold. 13 lbs. to the bushel. Lb., 25c (by mail 33c); 10 lbs., \$2.25; 100 lbs., \$20.00.

## KENTUCKY BLUE GRASS (*Poa Pratense*).

**Fancy Seed.** Agriculturally this is well called the King of all Pasture Grasses. However, it is not such a general purpose grass as is Red Top. Wherever this grass does well, generally on lime soil, land there at once commands a high price, as it becomes the animal breeder's ideal location. This grass requires some time to establish itself. For a couple of years should only be lightly grazed. Time for sowing depends on the locality. There are three principal times of sowing, in the Fall, in the early Spring and again in June. Sow three bushels (14 lbs. to the bu.) per acre. This seed should never be covered, but only rolled after sowing, as the seed germinates better in the light than in the dark. Our seed this year was specially saved for us by one of the largest Kentucky growers, is almost free from foreign and chaffy matter, and our tests show a very high percentage of germination. Purchasers should beware of cheap Blue Grass, as it is sure to be light seed or else mixed with the cheaper Canadian Blue Grass.

For lawn purposes it is the standard and superior to any other sort. Under favorable soils it will withstand all variations in weather and climate.

**Fancy Seed.** Lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; bu. (14 lbs.), \$2.60; 5 bu., \$12.00.



Kentucky Blue Grass.

## CANADA BLUE GRASS (*Poa Compressa*).

This is a hardy perennial grass, which forms a strong turf on account of its dense creeping root stalks. It adapts itself to all soils and withstands differences of soils and climate better than most other grasses. Particularly adapted to the Eastern and Middle States for pasture and dairy use. For a lawn grass it is of considerable value where the turf is subjected to hard usage. 14 lbs. to the bushel. Lb., 18c (by mail, 26c); 10 lbs., \$1.50; 100 lbs., \$12.00.

## ENGLISH BLUE GRASS (*Festuca Pratense, or Meadow Fescue*).

A native of Europe. It has become thoroughly naturalized here. The grass is a very permanent one and is especially valuable for permanent pastures where the soils are not too dry. In the Western Central States it has done especially well. Should be sown with other grasses, as it does not come to full bearing for two or three years. Our seed is choice American grown. Sow 1½ bushels to the acre. 20 lbs. to the bushel. Lb., 30c (by mail 38c); 10 lbs., \$2.75; 100 lbs., \$25.00.

## BERMUDA GRASS (*Cynodon Dactylon*).

A very valuable grass in the warmer climates. In the Southern States and warmer regions of the Southwest on the Pacific Coast, it is cultivated extensively and is most highly prized, chiefly for grazing, all kinds of stock being exceedingly fond of it. Resists extreme drouth and high temperature and grows freely on a sandy soil where other grasses will not thrive. Does not do well in the shade. As a lawn grass it is much used in the South with excellent results. Being difficult to eradicate, it should not be placed in a soil except desired permanently. Seed should be sown at the rate of 15 lbs. to the acre. Sow in the Spring. 36 lbs. to the bushel. Lb., 70c (by mail 78c); 10 lbs., \$6.50; 100 lbs., \$60.00.

## BROMUS INERMIS.

(Awnless Brome Grass.)

A most valuable and comparatively new grass for meadow use. In the arid regions of the West and Northwest this grass has a great future. It is very hardy, strongly stoloniferous (creeping roots), and quickly makes a thick, firm turf. Particularly hardy and unusually drought resisting, it is now more highly regarded for its feed value than a few years ago, and does not compare unfavorably with Timothy or similar hay. Somewhat difficult to eradicate, so should be given a permanent place. Cut when first coming into bloom. Our seed is choice and re-cleaned. 14 lbs. to the bushel. Sow two bushels to the acre. Lb., 20c (by mail, 28c); 10 lbs., \$1.25; 100 lbs., \$10.00.

## CYNOSURUS CRISTATUS.

(Crested Dog's-tail.)

A valuable lawn grass, as it forms an even and compact sward. Does fairly well in shade and should be a constituent of all good shade lawn mixtures. Good for pasture. For lawn purposes it should be sown with other grasses, about 5 lb. to the acre. 21 lbs. to the bushel. Lb., 50c (by mail, 58c); 10 lbs., \$4.00; 100 lbs., \$35.00.



AWNLESS BROME GRASS.



**ORCHARD GRASS (*Dactylis Glomerata*.)**

A very hardy popular grass grown successfully almost anywhere in the United States, flourishes in shade or sunshine, therefore excellent for woodland pastures with good soil. Wet soils do not suit it. Good for both hay and pasture. Valuable in pasture because it offers feed a few days after moist weather in Spring, and it may be cut for hay before Timothy. Deep pasturing that would destroy Timothy improves this grass. Has a tendency to grow in stools and leave bare spaces, which may be overcome by rolling and harrowing. Red Clover sown 10 lbs. to the acre is also a good preventive. Not a good lawn grass, even in shade. 14 lbs. to the bushel, Lb., 25c (by mail, 33c); 10 lbs., \$2.00; 100 lbs., \$16.00.

The market price on grass seeds varies like that of grain. Purchasers in quantity should write for the latest prices and samples before ordering.

**FESTUCA DURIScula (*Hard Fescue*.)**

This grass does well in sandy pastures. Is a slender, and very tufted perennial, a dwarf form of Sheep's Fescue. A good grass for resisting drought. Of fair value as a lawn grass, and must be sown very thickly on account of its forming tufts. Sow 30 lbs. to the acre; 12 pounds to the bushel. Lb., 25c (by mail, 33c); 10 lbs., \$2.00; 100 lbs., \$18.00.

**FESTUCA HETEROPHYLLA (*Various Leaved Fescue*.)**

A perennial grass, native of Europe. Of some value agriculturally as a bottom grass in pastures. Good for both hay and pasture. For lawn purposes is quite desirable, especially for shaded places, its fine soft leaves and its creeping roots making a very good turf. Sow 40 lbs. to the acre; 15 lbs. to the bushel. Lb., 30c (by mail, 38c); 10 lbs., \$2.75; 100 lbs., \$25.00.

**FESTUCA OVINA (*Sheep's Fescue*.)**

A good grass for up-land pastures and for sandy and poor soils. Is very hardy and resists extremes of weather. It grows in tufts, but its fine foliage and dense growth permits its use for lawn purposes. Sow 35 lbs. to the acre; 12 lbs. to the bushel. Lb., 25c (by mail, 33c); 10 lbs., \$2.00; 100 lbs., \$18.00.

**FESTUCA RUBRA. (*Red, or Creeping Fescue*.)**

This is a creeping rooted species of Fescue. On account of its creeping roots, forms a compact and durable turf, especially valuable for binding loose soils and for gravelly banks and dry slopes. An excellent bottom grass for pastures and especially for those which are quite shaded. For a lawn grass, is very good, especially for shaded spots. Sow 30 lbs. to the acre; 14 lbs. to the bushel. Lb., 25c (by mail, 33c); 10 lbs., \$2.00; 100 lbs., \$18.00.

**FESTUCA TENUIFOLIA (*Slender Fescue*.)**

Of principal value for lawn purposes where it does very well on dry and inferior soils as well as in shady places. Good for edgings. Sow 30 lbs. to the acre; 22 lbs. to the bushel. Lb., 40c (by mail, 48c); 100 lbs., \$35.00.

**JOHNSON GRASS (*Andropogon Halepensis*.)**

A drought resister and much used in the warmer parts of the southern states. Used for hay, it should be cut just as it comes into bloom, when it is much liked by all kinds of stock. It is very difficult to eradicate on account of its powerful and rapidly spreading roots, and should be used only on permanent pastures or meadows; 25 lbs., to the bushel. Lb., 25c (by mail, 28c); 10 lbs., \$1.75; 100 lbs., \$15.00.

**LOLIUM ITALICUM. (*Italian Rye Grass*.)**

Called a perennial but rarely lasts for two years. Likes a rich, moist, loamy soil where the grass does remarkably well and produces good hay and pasturage. Desirable for this purpose in temporary pastures. Develops very rapidly and is excellent for soiling. Withstands extremes of temperature and remains green throughout the winter. Valuable in lawn grass mixtures demanding immediate effect. Eighteen lbs. to the bu. Lb., 20c (by mail, 28c); 10 lbs., \$1.00; 100 lbs., \$8.00.



**VAUGHAN'S MEADOW MIXTURES.**

**No. 1. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.**

This mixture is composed of the following grasses and clovers, blended in the proper proportions:

Fancy Red Top.	Orchard Grass.	Perennial Rye Grass.
Meadow Foxtail.	Hard Fescue.	Timothy.
Tall Meadow Oat Grass.	Sheep's Fescue.	Red Clover.
		Aisike Clover.

Price, 10 lbs., \$1.25; 35 lbs. (about enough for one acre), \$4.00; 100 lbs., \$10.50; 1,000 lbs., \$100.00.

**No. 2. FOR HIGH AND DRY LAND.**

This mixture is composed of the following grasses and clovers:

Fancy Red Top.	Hard Fescue.	Rough-Stalk Meadow
Tall Meadow Oat Grass.	Sheep's Fescue.	Grass.
Crested Dog's Tail.	Timothy.	Red Clover.
Orchard Grass.		White Clover.

Price, 10 lbs., \$1.75; 35 lbs. (about enough for one acre), \$5.00; 100 lbs., \$13.50; 1,000 lbs., \$130.00.

**TIMOTHY (*Phleum Pratense*.)**

The most popular of all grasses for hay and the standard to which all other hay is compared. It is a perennial, doing best on a moist, tenacious, rich soil. On light soils the yield is generally scant. The best results are had by sowing Timothy with a mixture of Red Top and Clover. Timothy does not make a desirable pasture as there is little growth after being cut and tramping of stock soon destroys it. Hay should be cut just when it has stopped flowering. Quantity of seed per acre varies with the character of the soil. On heavy soils sow one-third to one-half bushel per acre, on light soils less.

Our choice (V) Brand is clean, bright and of high germination. Market varies; 45 lbs. to the bushel. Present price, January, lb., 12c (by mail, 20c); 10 lbs., 75c; 100 lbs., \$6.00.



TIMOTHY (*Phleum Pratense*.)

**LOLIUM PERENNE. (*English or Perennial Rye Grass*.)**

The hay grass of England where its position is the same as Timothy in the United States. Also does very well in this country. Good for both pastures and meadows. Moist and rich clays or loams are the soils best suited to it. The seed is heavy and very quick to start. It is a valuable lawn grass, especially where quick results are sought. Sow 50 to 60 lbs. to the acre.

Perennial Rye Grass—Extra Heavy Seed (30 lbs. to the bu.) Lb., 20c (by mail, 28c); 10 lbs., \$1.50; 100 lbs., \$10.00.

Perennial Rye Grass—Standard Weight (24 lbs. to the bu.) Lb., 12c (by mail, 20c); 10 lbs., \$1.00; 100 lbs., \$8.00.

**POA TRIVALIS (*Rough Stalked Meadow Grass*.)**

A perennial species closely related to Kentucky Blue Grass. Does best in moist cool locations and its principal use is as a bottom grass in permanent pastures. For lawn purposes it does well on sandy moist spots on account of its spreading roots. Sow about 15 to 20 lbs. to the acre. 14 lbs. to the bushel. Lb., 35c (by mail, 43c); 10 lbs., \$3.25; 100 lbs., \$30.00.

**POA NEMORALIS (*Wood Meadow Grass*.)**

In the Northern and Middle States this is the best of all lawn grasses for deep shade. Very hardy and a perennial. Its creeping roots establish a lasting, even and deep green turf. On dry rich soils it makes good pasturage and hay, but is usually too expensive to sow. 14 lbs. to the bushel. Lb., 60c (by mail, 68c); 10 lbs., \$5.75; 100 lbs., \$55.00.

**Vaughan's Hay and Pasture  
Special Grass Mixtures.**

OUR customers have been quick to appreciate the value of these special mixtures in producing a heavier, thicker and longer continued growth than when one or two grasses only are used. The use of such mixtures is sure to become universal. For other conditions or soils not stated below, write us.

Every sample of grass in each mixture is of the choicest re-cleaned quality. The following are the leaders:

**VAUGHAN'S PASTURE MIXTURE.**

**No. 3. ON GOOD LAND, NEITHER TOO DRY NOR TOO WET.**

This mixture contains some of each of the following, properly proportioned.

Tall Meadow Oat Grass.	Sheep's Fescue.	Kentucky Blue Grass.
Red Top.	Hard Fescue.	Timothy.
Orchard Grass.	Perennial Rye Grass.	Red Clover.
	Meadow Foxtail.	White Clover.

Price, 10 lbs., \$1.75; 35 lbs. (about enough for one acre), \$5.00; 100 lbs., \$13.50; 1,000 lbs., \$130.00.

**No. 4. ON DRY LAND.**

This mixture is composed of the following:

Creeping Bent Grass.	Orchard Grass.	Hard Fescue.
Tall Meadow Oat Grass.	Red Clover.	Sheep's Fescue.
Kentucky Blue Grass.	White Clover.	Timothy.
		Perennial Rye Grass.

Price: 10 lbs., \$1.80; 35 lbs., \$5.25; 100 lbs., \$14.00.

**No. 5. ON WET LAND.**

This mixture contains:

Orchard Grass.	Kentucky Blue Grass.	Timothy.
Fancy Red Top.	Aisike Clover.	Rough-Stalk Meadow
Meadow Fescue.	White Clover.	Grass.
Perennial Rye Grass.	Meadow Foxtail.	

Price: Same as mixture No. 3.

**THE AMOUNT  
OF SEED**

necessary to sow an acre largely depends on the quality of the land; the poorer the soil the larger the quantity required. A fair average is from 35 to 40 pounds to the acre. The thicker seeds are sown, the sooner will a fine close turf be obtained.





Vaughan's "Fair Green" Golf Mixture, composed of extra cleaned and heavy lots of hardy and vigorous grasses.

### VAUGHAN'S "PUTTING GREEN MIXTURE"

A mixture of the extra fine leaved low growing grasses that will make a close, firm, green and lasting turf. The "Putting Green" is, of course, the most important turf on the whole links, so we invite correspondence as to local conditions which may affect the growth of the different grasses. Sow 1 lb. every 350 to 400 sq. ft. Price, per lb., 30c; 5 lbs., \$1.10; 50 lbs., \$10.00; 100 lbs., \$19.00.

### VAUGHAN'S MIXTURE FOR TENNIS LAWNS.

For Cricket, Croquet, Bowling Greens, etc.

A mixture of strictly perennial grasses without clovers, specially adapted to produce a close fine enduring sward. Sow from 50 to 60 lbs. per acre for a new lawn or bowling green; 15 to 20 lbs. per acre to improve existing turf. Price, per lb., 25c; 5 lbs., \$1.00; 15 lbs., \$2.75; 25 lbs., \$4.25; 50 lbs., \$8.25; 100 lbs., \$16.00.



### HARD WOOD ASHES.

This is also a splendid fertilizer for the lawn and garden, containing all of the fertilizing elements except nitrogen. If used on the lawn at the rate of a ton or more per acre as a first application, an annual dressing of three hundred pounds afterwards will insure a thrifty growth of dark color, exemption from ill effects of dry weather and freedom from weeds. It is also very beneficial to vegetable and field crops, and especially recommended to Cabbage and Onion growers. Price: 25 lbs., 45c; 50 lbs., 75c; 100 lbs., \$1.25; 500 lbs., \$5.00; 1,000 lbs., \$9.00; ton, \$17.00.

### GYPSUM, or LAND PLASTER.

This is still used as a fertilizer for grass and we can supply it at: 100 lbs., 90c; 500 lbs., \$3.50; 1,000 lbs., \$6.50; ton, \$12.00.

### TOBACCO DUST.

This contains some of the elements that induce the growth of grass, and is a real good fertilizer for that purpose. 10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.35; 100 lbs., \$2.50; 500 lbs., \$11.25.

## FOR GOLF AND TENNIS CLUBS.

We make special mixtures suitable for different soils and conditions. Certain grasses do better than others under certain conditions, and on particular soils. All our fancy grasses for lawn purposes are especially cleaned, and the pick of the markets both in this country and abroad. We invite the closest analysis on all our grasses. Write us concerning wants, and we shall be pleased to furnish samples and latest market quantity prices. We supply many of the very largest clubs in the country. For full descriptions and approximate prices of fancy grasses used on lawn and recreation grounds, see pages 138 and 139.

### VAUGHAN'S "GOLF LINK" (FAIR GREEN) GRASS SEED.

Most of the older Golf Clubs have their own special mixtures which they have found best suited for their needs. For those who have not, this mixture is one that will give general satisfaction on the majority of soils. The grasses comprising the mixture will stand wear and tear, and still retain its good appearance. Sow 75 to 100 lbs. per acre. Price, per lb., 25c; 5 lbs., \$1.00; 50 lbs., \$9.50; 100 lbs., \$18.00. Special price on larger lots.



Vaughan's Putting Green Mixture—the fanciest samples of low-growing, velvety-appearing grasses.

### VAUGHAN'S HIGH GRADE LAWN FERTILIZER.

It does the work of twenty times its weight of barnyard manure.

Does it better, quicker, cheaper and lasts longer.

Does not disfigure the lawn with an unsightly, ill-smelling mass.

Contains no seed weeds. Is easily applied.

Lawn grass is a voracious feeder, and must have plant food in order to hold its beautiful, dark green color and velvety appearance. The ordinary stable manure contains the desirable chemical plant foods. However, it has serious drawbacks, in being hard to handle, ill-looking, decidedly odorous, and, not the least of all, it contains weed seeds. All of these objections are obviated by the use of our lawn fertilizer. If the lawn is in fair condition it is only necessary to rake off the dead leaves and grass in the early spring and scatter broadcast over its surface some of our Lawn Fertilizer with a little of our Chicago Park Lawn Seed over the thin spots, and the work is done.

**DIRECTIONS FOR USE.** The first application should be made early in the Spring, as soon as the frost is out of the ground, at the rate of 25 pounds of fertilizer to every 1,000 square feet of lawn, evenly distributed. For seeding down a new lawn, scatter double the amount, say 50 pounds of fertilizer, broadcast on every 1,000 square feet, and rake it in thoroughly before sowing the seed.

Price.—5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 200 lbs., \$5.50; 500 lbs., \$12.00; 1,000 lbs., \$22.00; 2,000 lbs., \$42.00.

Price includes delivery within 20 miles of Chicago.

New York Prices.—Add 50c per 100 lbs., and \$7.00 per ton to above prices.



# Vaughan's "Chicago Parks" Lawn Seed.



**T**HIRTY-ONE years' experience has perfected our 'Chicago Parks' Mixture in all ways, not alone in the fitness of every grass to its part in making a permanent and lasting turf, but in the right proportion of each and the adaptability of all.

Further, the seeds used are from sources where each grows to perfection. Several states and foreign countries contribute their best. They are cured, cleaned, screened and tested for vitality by our best methods. We invite analysis and comparison, or microscopic examination.

Of individuals and Clubs who have used with satisfaction Vaughan's Lawn Grass Seed, may be mentioned, President Roosevelt, Oyster Bay, L. I.; John D. Rockefeller's Golf Grounds, Lakewood, N.Y.; Tuxedo Park Association, Tuxedo Park, N.Y. Many of the finest show places on Long Island, along the Hudson and in New Jersey. In the West, the Glenwood, Glenview, Calumet, Exmoor, Evanston, Westward Ho, Homewood, Midlothian, Ravisloe and other Chicago Golf Clubs, and almost all of the fine private grounds in Lake Geneva, Oconomowoc, Lake Forest, and along the Chicago North Shore.

## "HOW TO MAKE A LAWN."

A few suggestions and hints in pamphlet form which we enclose in all our packages of lawn grass seed.



**T**HE very best lawns in the United States are produced from our Lawn Grass Mixtures. The Chicago Parks Lawn Grass seed mixture originally planned for use in our famous city parks has been sold at our stores for many years with very general satisfaction. It will produce an even, dense growth of permanent sward as early in the season as it is possible to do. There are no annual grasses for the making of a "quick show" to the detriment of a good lawn. Only those grasses of lasting value and hardness which once established need no re-seeding for years, are contained in this mixture. Every grass used is as pure as can be found anywhere, our cost being of secondary consideration when purchasing. Careful cleaning of the best varieties makes this mixture as free as it possible to make it from foreign matter.

**PRICE:** Per lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 10 lbs., \$1.95; 15 lbs., \$2.90; 20 lbs., \$3.85; 25 lbs., \$4.75; 50 lbs., \$9.25; 100 lbs., \$18.00. If to go by mail add 8 cents per lb. for postage.

**SPECIAL QUOTATIONS.**—We shall be pleased to quote special prices to Golf Clubs, institutions, parks and others, who require Lawn Grass and Clover Seeds in large quantities.

## QUANTITIES TO USE.

1 lb. for 350 square feet.  
5 lbs. for 1,750 square feet.  
10 lbs. for 3,500 square feet.  
15 lbs. for 5,250 square feet.  
25 lbs. for one-fourth acre.  
50 lbs. for one-half acre.  
100 lbs. for one acre.

If intended for renovating an old lawn, about half the above quantities are sufficient for the given spaces.

## QUANTITIES TO USE.

1 lb. for 400 square feet.  
5 lbs. for 2,000 square feet.  
10 lbs. for 4,000 square feet.  
15 lbs. for 6,000 square feet.  
25 lbs. for one-fourth acre.  
50 lbs. for one-half acre.  
100 lbs. for one acre.

## Vaughan's "COLUMBIAN" Lawn Grass Seed.

For Shaded Lawns and Sandy Soil.

**A**SELECTION of the fine grasses which thrive naturally under the shade of trees or buildings, or are suitable for light sandy soil. This mixture was extensively used on the World's Fair Grounds, where we furnished large quantities of this seed to the landscape department, and where it gave splendid results. Sow at least 100 lbs. of seed per acre to make a new lawn, or 50 lbs. per acre for thin grass. **PRICE:** Per lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 10 lbs., \$1.95; 20 lbs., \$3.75; 25 lbs., \$4.50; 50 lbs., \$8.50; 100 lbs., \$17.00. If by mail add 8 cents per lb. for postage.

## VAUGHAN'S "QUICK SHOW" LAWN MIXTURE.

There are many people who desire a lawn that will make a showing immediately after planting. This mixture contains the quickest growing grasses, and while not possessing the permanency or color of our "Chicago Parks," will still make a respectable showing after the first season. Sow 50 lbs. to acre. **Price per lb., 20c; 5 lbs., 75c; 25 lbs., \$2.85; 100 lbs., \$10.00.**

## VAUGHAN'S SPECIAL GRASS MIXTURE.

This extra-choice mixture contains a large proportion of the finer and more expensive species, such as Rhode Island Bent, Crested Dog's Tail, Creeping Bent, in extra-heavy samples, bringing the weight up to 20 lbs. per bushel, and producing a turf of the closest and finest texture possible. Sow 50 lbs. to acre. **Price per bu. of 20 lbs., \$4.50.**

## VAUGHAN'S DEEP SHADE MIXTURE.

For use under large trees where the shade is dense. Made up of the most expensive fancy grasses only, such as Wood, Meadow, Rough Stalked Meadow, Slender Fescue, etc. **Per bushel of 20 lbs., \$7.00.**

## VAUGHAN'S LAWN RESTORING GRASS MIXTURE.

A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. The best time to re-sow them is very early in spring, but seed may also be sown in the fall from first of September to first of October. Some Lawn-restoring Grass Seed should also be sown before every summer rain on thin places. **Price per quart, 25c; per bushel of 24 lbs., \$4.50.**

**KENTUCKY BLUE GRASS.** Many prefer this to a mixture of grasses and the fact cannot be denied that a lawn of Blue Grass only is sufficient it takes longer, however, to get it established. **Price per lb., 25c; 3 lbs., 65c; bushel, 14 lbs., \$2.60; 5 bushels, \$12.00.**

**RED TOP GRASS.** Fancy Clean Seed. **Per lb., 25c; 5 lbs. for \$1.50.**

**RED TOP GRASS.** Choice Seed. **Per lb., 15c; 5 lbs., 65c.**

**WHITE CLOVER.** Extra Choice Seed. **Per lb., 40c; 3 lbs., \$1.10; 5 lbs., \$1.80; 10 lbs., \$3.50.** Add 8 cents per lb. to above prices if wanted by mail.



**VEGETABLE PLANTS.**

Prices do not include prepayment by mail. If wanted by mail, add 6c per doz.; 12c per 50; 20c per 100.

**Cabbage.** Ready about April 20th. We can supply the following varieties: Early Jersey Wakefield, Danish Summer Ballhead, Glory of Enkhausen, Late Flat Dutch, Iron Head Savoy and Mammoth Rock End.

**Cauliflower.** Ready April 20th. Vaughan's New Snowball and Extra Early Erfurt.

**Tomato.** Ready about May 15th. The following varieties: Earliana, Dwarf Champion, Dwarf Stone, Ponderosa, New Stone, Beauty and Yellow Plum.

Prices of above: 2-in. pot plants (sent by express at buyers' expense), doz 50c, 100 \$3.00.

Transplanted plants from flats, doz 30c, 25 for 55c, postpaid. By express, doz 25c, 100 for \$1.75, 1000 for \$15.00.

Seedlings from the hot beds, doz 20c, 50 for 75c, 100 for \$1.25, postpaid. By express, 1000 for \$6.00.

**Egg Plant.** Ready about May 15th. New York Purple Improved.

**Pepper.** Ready about May 15th. Vaughan's Sweet Mountain, Chinese Giant, Magnum Dulce, Ruby King and Cayenne.

Prices of the above: 2-in. pot plants (by express only at buyers' expense), doz 60c, 100 \$4.00.

Transplanted plants from flats, doz 35c, 25 for 60c, 50 for \$1.10, prepaid. By express, doz 30c, 100 for \$2.00, 500 for \$8.00.

Seedlings from the hot beds, doz 25c, 50 for 80c, 100 for \$1.50, postpaid.

**Early Celery.** Ready in June. White Plume, Golden Self-Blanching and Giant Golden Heart.

**Late Celery.** Winter Queen and Giant Pascal.

**Celeriac.** Giant Prague.

Transplanted plants, doz 20c, 50 for 50c, 100 for 75c, postpaid. By express, doz 15c, 100 75c, 250 for \$1.50, 500 for \$2.50, 1000 for \$4.50.

**Sweet Potatoes.** Ready about May 20th. Yellow Nansemond and Red Jersey. Plants, doz 20c, 50 for 65c, 100 for \$1.00, postpaid. By express, doz 15c, 100 75c, 1000 for \$4.00.

**Chives.** Clumps of roots, by express 10c, doz \$1.00. By mail, add 10c per clump.

**HERBS.**

**Hop Roots.** Plant early. Doz 30c, by mail 35c.

**Lavender Plants.** Used for seasoning and perfumes. First size, 15c each, 3 for 40c, doz \$1.25. Second size, 25c each, doz \$2.00, postpaid.

**Mint.** Old Fashioned, for flavoring, sauces, etc. See page 33.

**Sage.** Holt's Mammoth. For seasoning and stuffing. 2 in. pot plants, each 15c; 3 for 35c; 7 for 50c; 12 plants for \$1.00; by mail, postpaid.

**Tarragon Plants.** For flavoring and vinegar. First size, 15c each; doz., \$1.00. Second size, 25c; doz., \$2.50, postpaid.

**RHUBARB, or PIE PLANT ROOTS.**

These roots planted in good soil in the early spring will make a good growth, yielding stalks for the table the following spring.

Clumps, 15c; 25, 50c and \$1.00 each, according to the size. Sent by express at buyer's expense.

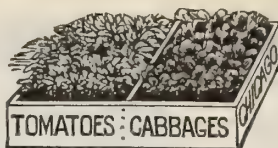
Seedlings, one year from seed, each, 10c; doz. \$1.00, postpaid.

**HORSE RADISH SETS.**

A very profitable crop in many places. Gardeners near any good market can make big money raising this root. Good clean sets. Price, per 50, 40c; 100, 75c, postpaid; 500, \$2.50; 1000, \$4.00 by express.

**ARTICHOKE ROOTS (Jerusalem).**

They are the best hog food known. Very fattening and very productive (over 1,000 bushels have been grown on one acre). Easily grown. They need not be dug, the hogs should be turned in on them. One acre will keep from 20 to 30 hogs in fine condition from October until April, except when the ground is frozen too hard for them to root. Three bushels will seed an acre. Cut and plant like potatoes. Lb., 35c; 3 lbs., \$1.00, postpaid. By freight or express, peck, \$1.00; bu., \$3.00; bbl. of 3 bu. (enough for one acre), \$7.50; F. O. B. Chicago. If to go from New York, add 10c per peck, 20c per bu., and 50c per bbl. to these prices.



VAUGHAN'S VEGETABLE PLANTS.



HORSE RADISH ROOTS.



RHUBARB.



BUSH ALPINE STRAWBERRY.

**TREE SEEDS.**

Evergreen seeds should be sown very early in spring, in a firm, sandy seed-bed. Give the young seedlings some shade the first summer. Apple, Pear and Locust should be mixed with sand in boxes and exposed to frost; where this cannot be done, soak in hot water for an hour before sowing. The other deciduous seeds can be sown in April or May in drills 2 ft. apart.

One-pound lots and less include postage; larger lots at buyer's expense.

	Pkt.	Oz.	¼ lb.	Lb.
Apple, 10 lbs \$6.50	\$0.05	\$0.10	\$0.20	\$0.70
Arbor Vitae, American	.10	.20	.65	2.50
Birch, White	.10	.20	.50	1.75
Box Elder (10 lbs., \$3.50)	.05	.10	.15	.40
Catalpa Speciosa, True	.10	.30	.90	3.00
Catalpa Teas Hybrid, Japan	.10	.15	.35	1.10
Locust, Honey (5 lbs., \$1.25)	.05	.10	.15	.40
Locust, Black or White	.05	.10	.15	.40
Maple, Oregon Mammoth	.05	.10	.30	1.00
Mulberry, Russian	.10	.20	.60	2.25
Osage Orange (10 lbs., \$3.75; 100 lbs., \$35.00)	.05	.15	.20	.50
Pear, French	.10	.20	.60	2.00
Pine Scotch	.10	.20	.50	1.75
Spruce, Norway	.05	.15	.30	.80

**SMALL FRUIT SEEDS.**

These germinate slowly. Sow them early.

**Strawberry, Bush Alpine.** Grows in true bushy globular form with upright leaves. Can be used for borders. Fruits are perfectly true from seed. We offer both colors, red and white. Plants do not have runners. If sown early plants will bear the next year. Red or White, per pkt., 10c; 1 pkt., of each for 15c.

**Strawberry Seed, Mixed.** Of several best kinds; new hybrid seed; may produce valuable sorts. Pkt., 15c; 2 for 25c.

**Strawberry, Belle de Meaux.** Pkt., 15c; 2 for 25c.

**Raspberry Seed.** Large fruited sorts, mixed. Pkt., 10c; oz., 20c.

**Currant, Red.** Pkt., 10c; oz., 20c.

**Currant, White.** Pkt., 10c; oz., 25c.

**Currant, Black.** Pkt., 10c; oz., 20c.

**New Everbearing Strawberry "La Perle."**

Large fruited. Pkt 20c. 3 pkts 50c.

**TOBACCO SEED.**

**Comstock's Spanish.** The favorite variety in the Wisconsin Tobacco district. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**Primus.** Yields big crops of extra fine quality. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.50.

**Harby.** A Turkish variety; stands heat and drought. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.00.

**Brazilian-American.** Finest Brazilian strain. Pkt., 10c; oz., 30c; ¼ lb., 90c; lb., \$3.25.

**Big Havana.** A hybrid Havana or Cuban seed leaf. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.50.

**General Grant.** It produces leaves 44 in. long, of proportionate breadth, and matures its crop perfectly as far north as Duluth, Minn. Pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.50.

**Connecticut Seed Leaf.** Best adapted to the climate of the Middle and Northern States, as it is hardier and endures cold better than others. Pkt., 10c; oz., 25c; ¼ lb., \$2.50.

**Big Oronoko.** Has no equal for strips and dark wrappers. Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.50.



JERUSALEM ARTICHOKE.



GENERAL GRANT TOBACCO.



# VAUGHAN'S HIGH-GRADE FERTILIZERS.

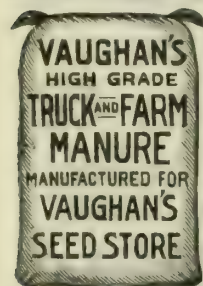
*The Yield and Quality of Vegetables Depend Upon Continuous and Rapid Growth.*

It has been demonstrated that market-garden crops of the best quality are those which are grown under conditions which permit of a continuous and rapid development. Any delay in the growth of a lettuce or radish causes that sharp and pungent flavor of the former and the bitterness and toughened fibre of the latter, beets

become stringy, etc. Plant food of the right amount and kind controls the yield and quality of market-garden-products more than any other condition, and it is neither wise nor economical to depend on the natural condition of the soil or the application of stable manure only for profitable crops.

## VAUGHAN'S HIGH-GRADE TRUCK AND FARM MANURE.

This is our best brand of concentrated Manure, suitable for lawns and flowers as well as vegetables mentioned below. It is of exceptional value and will prove a money-maker to every farmer or gardener that uses it.



To be used on	Rate per acre.
Essex Rape.....	200 to 500 lbs.
Asparagus.....	1000 lbs.
Beans.....	400 to 600 lbs.
Beet.....	500 to 1500 lbs.
Cabbage.....	400 to 1500 lbs.
Carrot.....	300 to 800 lbs.
Celery.....	600 to 800 lbs.
Cucumber.....	400 to 800 lbs.
Lettuce.....	500 to 1000 lbs.
Onion.....	500 to 1500 lbs.
Tomato.....	500 to 1000 lbs.
Strawberries.....	500 to 1000 lbs.

Price, 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.40; 200 lbs., \$4.60; 500 lbs., \$11.25; 1,000 lbs., \$22.00; 2,000 lbs., \$43.00.

**TRUCK MANURE No. 2.** "All Soluble." This brand has been prepared for such crops as require an extra quick, strong fertilizer; should be mixed well into the soil. Adapted for tobacco, hops, potatoes, flax, sugar beets, early cabbage, cauliflower, celery, fruits, especially strawberries, suitable for all soils (except sour). Quantity of pounds to be used per acre: Corn, 300 to 500; Clover, 200; Timothy, 200; Pasture, 200 to 600; Early Cabbage and Melons, 400 to 800; Peas, 400 to 800; Pumpkin and Squash, 300 to 600; Radish and Spinach, 500 to 1,000. Price, 25 lbs., 70c; 50 lbs., \$1.25; 100 lbs., \$2.25; 200 lbs., \$4.00; 1,000 lbs., \$18.00; 2,000 lbs., \$35.00.

**VAUGHAN'S MANURE FOR HOME GARDEN.** This is suited for all kinds of flowers, vegetables and the lawn, being a high-grade complete fertilizer, just what is needed to make plants grow. Price, 5 lb. box, 30c; 10 lbs., 50c; 25 lb. bag, \$1.00; 100 lbs., \$3.00.

**FRUIT AND ROOT CROP MANURE.** For fruit trees and small fruits, garden truck, tobacco, etc. Quick in starting, lasting in effect, giving firm, healthy growth and developing the fruit. Quantity of pounds to be used per acre: Beet, 500 to 1500; Carrot, 300 to 800; Parsnip, 400 to 1,000; Potato, 500 to 1,000; Sage, 200 to 600; Salsify, 500 to 1,000; Turnip, 500 to 1,000; Blackberries, 400 to 800; Grapes, 400 to 500; Strawberries, 500 to 1,000. Price, 25 lbs., 60c; 50 lbs., 95c; 100 lbs., \$1.75; 200 lbs., \$3.35; 500 lbs., \$8.00; 1,000 lbs., \$15.50; 2,000 lbs., \$30.00.

**BONE AND BLOOD.** For Cabbage, Cauliflower, Corn and other crops of big surface growth; not desirable for root crops except it is used in connection with potash, salts, or hard wood ashes, and if so used it is especially adapted to fruits, if applied early. For garden crops use 300 to 500 lbs. per acre. Price, 25 lbs., 60c; 50 lbs., 95c; 100 lbs., \$1.75; 200 lbs., \$3.25; 1,000 lbs., \$15.00; 2,000 lbs., \$29.00.

**CLAY'S FERTILIZER.** This valuable imported manure is especially recommended to all who grow either fruit, flowers or vegetables, and wish to bring them to the highest perfection. It should also be used in potting soil and as a top-dressing. Price, 7 lbs., 75c; 14 lbs., \$1.25; 28 lbs., \$2.00; 56 lbs., \$3.75; 112 lbs., \$7.00.

**HORN SHAVINGS.** These are largely used by florists on such plants as Fuchsias, Geraniums, etc., and in the large vases in Parks and Cemeteries, to supply food after the natural fertility of the soil is exhausted. Price, 5 lbs., 40c; 10 lbs., 70c; 25 lbs., \$1.25; 100 lbs., \$4.00.

**KAINIT or German Potash Salt.** This contains an average of 12 per cent of actual potash. It should be applied a considerable time before the crop is planted in order that it may be well distributed. It is not advisable to put it in the hill or row immediately before planting. Mixed with Bone Meal it is a splendid fertilizer as a top dressing for fruit trees and small fruits. Price, 10 lbs., 30c; 25 lbs., 50c; 100 lbs., \$1.50; 500 lbs., \$6.25; 1,000 lbs., \$11.50.

**GUANO.** A standard Fertilizer. Price, 5 lbs., 30c; 10 lbs., 50c., 50 lbs., \$1.85; 100 lbs., \$3.50. Write for price on larger lots—subject to market changes.

**SCOTCH SOOT.** (Genuine Imported.) Gardeners know the value of the genuine article for stimulating a healthy growth of dark green foliage, and its beneficial effect in freeing the soil from slugs, grubs and cut worms. Price, 28 lbs., \$1.50; 56 lbs., \$2.50; 112 lbs., \$4.00.

## VAUGHAN'S CONCENTRATED PLANT FOOD.



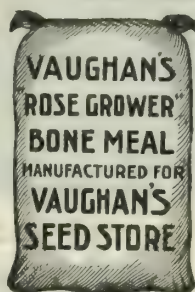
A most useful Fertilizer for all kinds of plants raised in pots. It produces a rapid and vigorous growth and an abundance of flowers.

Package containing food for 20 plants for 3 months, 15c; 3 for 40c; if by mail, add 9c. per package. Large package, containing sufficient plant food for one year, 25c; 3 for 65c; if by mail, add 17c. per package.

Each package contains full directions.

**BOWKER'S PLANT FOOD.** A first-class plant food. Small size pkg., 15c; by mail, 22c; large size pkg., 25c; by mail, 40c.

## VAUGHAN'S "ROSE GROWER" BONE MEAL.



This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. Free from acid and a superb article. It is made from bone accumulated in large slaughter houses, and should not be compared with the Bone Meal made from cattle heads and feet gathered upon the Western prairies. Our "Rose Grower" Bone has been slightly steamed to soften it and is thus quicker in its action. Analysis: Ammonia 4 1/2 to 5 1/2 per cent; total phosphoric acid, 22 to 25 per cent; bone phosphate, 48 to 54 per cent. Price, 5 lbs., 25c; 10 lbs., 50c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.25; 200 lbs., \$3.90; 500 lbs. \$9.50, 1000 lbs. \$18.00, 2000 lbs. \$35.00.

**Quantity Required.**—For permanent pasture and mowing lands 1/2 to 1 ton per acre; for trees and vines, 2 to 4 quarts each; for top-dressing, 1,000 to 1,500 lbs. per acre; rose beds and plants, 1 part to about 50 of soil; for starting a new lawn, as a base, 3 to 5 lbs. per 100 square feet.

**REGULAR BONE MEAL.** 5 lbs., 20c; 10 lbs., 35c; 25 lbs., 60c; 50 lbs., \$1.00; 100 lbs., \$1.90; 200 lbs., \$3.60; 500 lbs., \$8.50; 1,000 lbs., \$16.50; ton, \$32.50.

**NITRATE OF SODA or Chili Saltpeter.** Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used the Nitrogen must be converted into Nitrate before the plants can use it.

### HOW TO USE NITRATE OF SODA.

Remove the lumps before using and break them up which can be done by pounding. Use as a top-dressing at the rate of 100 lbs. per acre on the following vegetables, when plants are well established: Beets, Cabbage, Cauliflower, Cucumber, Celery, Egg Plant, Lettuce, Spinach, Onions.

For Asparagus, a top-dressing of 250 lbs. per acre just as soon as the first shoots make their appearance.

For Strawberries, a top-dressing of about 100 lbs. per acre after the plants have blossomed.

For the Home Garden apply as a solution one ounce to two gallons of water. Price (subject to market changes), 5 lbs 35c, 10 lbs 60c, 25 lbs \$1.25, 100 lbs \$3.50, original sack (220 lbs. \$7.25, 500 lbs \$15.75. Write for prices on larger quantities.

## VAUGHAN'S SHEEP MANURE.

This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. Strawn over and dug into the vegetable garden or placed directly in drills or hills, it promotes a rapid, steady growth until maturity. It makes the richest, safest and quickest Liquid Manure. For use in liquid form, one pound to five gallons of water will make a liquid which can be used with safety daily if necessary. 5 lbs., 25c; 10 lbs., 40c; 25 lbs., 65c; 50 lbs., \$1.00; 100 lbs., \$1.50; 500 lbs., \$6.00; 1,000 lbs., \$10.50; ton, \$20.00.

**MURIATE OF POTASH.** A form of Potash Salts to be used with Bone Meal, Bone and Blood or farm manures on fruits, celery, asparagus, corn, oats, turnips, cucumbers, grapes, carrots, onions, peas, clover, and beans. Must not be used on hops, potatoes, tobacco, flax, sugar beets, cabbage or cauliflower. 50 to 400 lbs. per acre. Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.85; 100 lbs., \$3.50; 200 lbs., \$6.50; 500 lbs., \$15.50. Write for prices on ton lots.

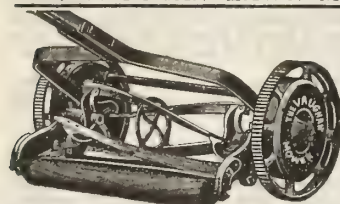
**SULPHATE OF POTASH.** A desirable form of Potash to be used on all crops, but especially on tobacco, hops, potatoes, flax, sugar beets, cabbage or cauliflower. Use 50 to 400 lbs. per acre. It is the best form for greenhouse use, and may be applied either broadcasted and mixed with the soil, or in solution in water. In re-potting or in shallow beds, use a tablespoonful to a bushel of the soil. In water use a tablespoonful in 12 quarts. Price, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.10; 50 lbs., \$2.00; 100 lbs., \$3.75; 200 lbs., \$7.00; 500 lbs., \$16.50.

**SULPHATE OF AMMONIA.** Used for its Nitrogen. A very desirable fertilizer for all plants in which a large leaf development or rapid growth is desired. Use 1 pound to 50 square feet of ground or bench, or a tablespoonful to a bushel of soil, or 3 gallons of water. Price, 1 lb., 25c; 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$1.75; 100 lbs., \$6.50.

**SHREDDED CATTLE MANURE.** An efficient, high grade natural fertilizer for all general purposes, manufactured by special process from selected fresh cleanings from cattle pens. There is no offensive odor, and when spread on lawn and garden it works down into the soil so there is no refuse to blow about or be raked off when the growing season begins. If applied to the lawn in the fall it protects the grass roots all through the winter. It is as easy and cleanly to handle as grain, being perfectly dry and can be stored anywhere until wanted for use. Price, f. o. b., Chicago: 100 lbs., \$1.65; 500 lbs., \$7.00; 1,000 lbs., \$12.50; 2,000 lbs., \$20.00.

**REGARDING PRICES.**—The above prices on Clay's Fertilizer, Nitrate of Soda, Horn Shavings, Scotch Soot, Guano and Vaughan's Manure for the Home Garden are f. o. b. New York or Chicago; all the other prices are f. o. b. Chicago; if to be shipped from New York, add at the rate of 50c. per 100 lbs., or \$7.00 per ton on lots of 1,000 lbs. or over to the above prices.



**VAUGHAN'S LAWN MOWERS, ROLLERS, WEEDERS, SCYTHES, LAWN BOOTS, ETC.****THE VAUGHAN LAWN MOWER.**

Only the best material has been used in this machine, the driving wheels are ten inches in diameter, the cylinder is fitted with 4 blades suitable for long or short grass. The cutting cylinder can be removed from the machine without in any way disturbing the frame of the machine. We guarantee every Vaughan Mower to do satisfactory work in every respect.

15 in.	17 in.	19 in.	21 in.
\$8.50	\$9.50	\$10.50	\$11.50

**PHILADELPHIA LAWN MOWER.****High Wheel (Steel). Style A.**

The King of High Wheel Mowers. Constructed of steel throughout, it is much lighter in weight than any other mower of its size, consequently it is lighter in draught and easier to push. Fitted with four cutting-blades, and ten-inch drive-wheels, does not readily get out of repair, and in this way makes up for the higher cost by lower repair bills.

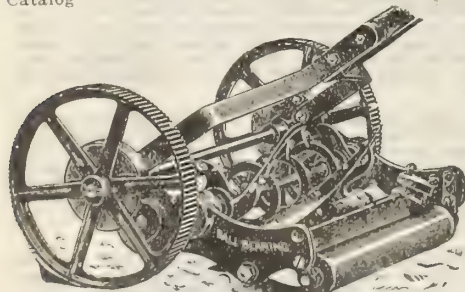
15 in.	17 in.	19 in.	21 in.
\$10.25	\$11.25	\$12.50	\$13.75

**High Wheel. Style K.**

For all-round general purposes this is one of the best style mowers on the market. With its high wheels it runs light, and five knives it cuts smooth and even, with the principles of construction so evenly balanced that it has the greatest amount of durability.

14 in.	16 in.	18 in.	20 in.
\$6.00	\$6.75	\$7.35	\$8.00

Write for complete Philadelphia Lawn Mower Catalog

**VICTORY BALL-BEARING MOWER**

To best of our knowledge the lightest and easiest running Mower on the market. While especially adapted to cutting fine lawns, the "Victory Mower" will do first-class work on lawns too rough for other mowers to be used. The ball bearings are of the highest grade and reduce the friction so that a 24-in. machine can be run as easily as an 18-in. old-style mower.

14 in.	16 in.	18 in.	20 in.	22 in.	24 in.
\$8.50	\$9.50	\$10.50	\$11.50	\$12.50	\$13.50

**PHILADELPHIA GRASS COLLECTOR**

Has a galvanized iron bottom, never-rip cloth connections. Always be careful to state size and style of mower when ordering. Price for High Wheel and Style K and the Vaughan Mower, 14 and 15 inch, \$1.70; 16 and 17 inch, \$1.80; 18 and 19 inch, \$1.90; 20 and 21 inch \$2.00.

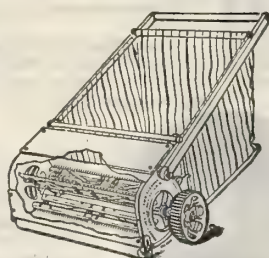
**HORSE LAWN BOOT.**

Indispensable where Horse Mowers are used. Our boots are made to fasten round the ankle, and is the most humane boot on the market. Made in three sizes.

No. 2 for No. 2 horse shoe 5 1/2 in. inside measure.  
No. 4 for No. 4 horse shoe 6 1/2 in. inside measure.  
No. 6 for No. 6 horse shoe 7 in. inside measure.  
Per set of four, \$9.00.

**Capitol Lawn Trimmer****and Edger.**

Does what Lawn Mowers leave undone. Having one side without wheel, it can be run close to walls and trees, cutting grass clean and quick. Can also be used for trimming edges of walks, etc.; 4 steel blades, 6 inches wide. Price, each, \$6.00, complete.



rakes are flexible, the rake-heads being divided in the middle and hung on easy-swiveling hinges which are kept in position by retaining springs. We can guarantee the machine to do good work. Price, 24-inch wide, each, \$16.00.

**Philadelphia Horse Lawn Sweeper.**

A revolving brush in front sweeps the sod clean and throws the sweepings backward into a large box in the rear. This box can be dumped without stopping. The only reliable horse machine on the market. Sweeps 40 inches wide. Price, \$72.50.

**SCYTHES BLADES.**

English Riveted Back, 30-inch, \$1.25; 36-inch, \$1.35; 40-inch, \$1.50. Scythe Snath or Handle, with patent fastening, each, \$1.00. Talacre Scythe Stones, each, 25c; 3 for 60c.

**GOLD MEDAL ROLLER BEARING LAWN ROLLER**

These Rollers are smooth on face and rounded on outer edges to avoid cutting the lawn. Roller bearings make them 40 per cent easier to operate than the old-style Roller. Write for descriptive circular.

	Diameter.	Face.	Sections.	Weight, lbs.	Price.
No. 401.....	15 in.	16 in.	2	150	\$ 8 00
No. 402.....	15 in.	24 in.	2	200	10 50
No. 404.....	20 in.	20 in.	2	250	13 00
No. 407.....	20 in.	24 in.	2	300	16 00
No. 409.....	24 in.	20 in.	2	400	21 00
No. 413.....	28 in.	24 in.	2	500	26 00
No. 415.....	28 in.	30 in.	3	600	32 00

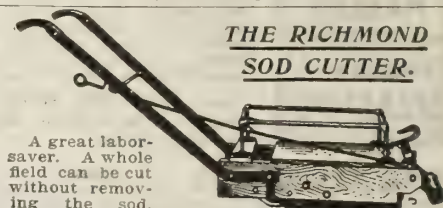
**THE EAGLE PHILADELPHIA****HORSE LAWN MOWER**

One of the best and most popular Horse Lawn Mowers on market. Used in Parks, Cemeteries, Golf Courses or Private Lawns. Made of the best material throughout, and guaranteed to do satisfactory work. Cutting Cylinder has five blades, insuring even and close cut, leaving a perfectly smooth lawn. Fitted with sidedraft, which allows horse to walk on the cut grass, and avoids trampling down the unmown grass. The roller of this mower is in two sections and is 14 inches high, making the 40-inch machine light work for one horse. Weight, exclusive of shafts, 35-inch, 580 lbs; 40-inch, 610 lbs.

Price, including seats, shafts and side-draft attachment, f. o. b. Chicago or New York:

35-inch cut .....	\$80 00	40-inch cut .....	\$95 00
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N. B.—We can also supply any standard make of horse mowers. Write for prices before purchasing.

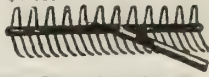
**THE RICHMOND SOD CUTTER.**

A great labor-saver. A whole field can be cut without removing the sod, provided a narrow strip of about 1 inch in width is taken out at the start. Price, \$23.00.

Grass Edger. "The Planet Junior." Will do either straight or curved edging at a speed of a mile an hour. Price, \$5.00.

**LAWN RAKES.**

English Daisy. For running over lawns, tearing off disfiguring daisy and dandelion flowers; 20 teeth. Each, \$2.75.

**LAWN SHEARS.**

For cutting grass in places which cannot be reached by lawn mower.



Two wheels, each, \$2.50

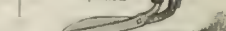
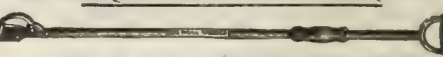
Automatic Self-Cleaning. A backward motion of the operator clears all the teeth at once. Each, 70c.



Lawn Queen. Wire teeth, reversible head. 24 teeth, each, 45c; 36 teeth, each, 75c.

**BORDER SHEARS.**

For trimming the edges of borders and walks. 7 in. \$2.00. With wheels, \$2.25

**PIQUA LAWN WEEDER**

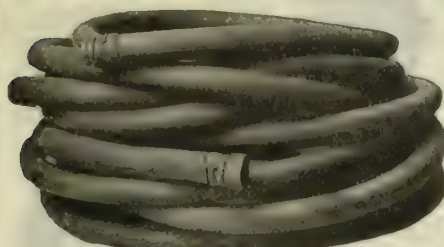
A simple and effective device for removing all weeds from the lawn. Handle and blade made of one piece of steel tubing. Grab rod enclosed in tube. Price, \$1.00.

**B'S WEED EXTRACTOR.**

A simple and effective device for removing weeds of all kinds from the lawn. Easy to operate. Price, 60c.



# VAUGHAN'S LAWN HOSE, SPRINKLERS, LAWN SWEEPERS, RAKES, NOZZLES, ETC.



## RUBBER HOSE.

Electric Non-kinkable.

Best hose on the market, finest quality of rubber being used in its manufacture. Will not kink and will last for years. We can supply in any length and will fit with "snap" hose couplings if advised at time of ordering. Price,  $\frac{3}{4}$  inch, per 25 feet, \$5.50; 50 feet, \$10.00; 100 feet, \$20.00.

**Excelsior Brand.** A fine grade of hose, which we can readily recommend. Comes in 25 and 50 foot lengths only. Price,  $\frac{3}{4}$  inch (including plain couplings), per 25 feet, \$4.00; 50 feet, \$7.75; 100 feet, \$15.00.

"Standard Brand."  $\frac{3}{4}$  inch; will give good service. Price (including couplings), 25 feet, \$3.00; 50 feet, \$5.50; 100 feet, \$10.00.

## ALL IRON HOSE REEL.

Very light weight, frictionless, the wheels being so high they are very easily worked; never break or wear out.

No. 10, 100 ft.  $\frac{3}{4}$  in. hose, \$2.75  
No. 20, 150 ft.  $\frac{3}{4}$  in. hose, 3.00

## THE "SNAP" HOSE COUPLER.



Best hose coupler on the market, being simple, durable and always tight, for  $\frac{3}{4}$  inch hose. Per pair, 30c.

Hose Coupler, Brass, for  $\frac{1}{2}$  or  $\frac{3}{4}$  inch hose. Each, 15c; doz., \$1.50.

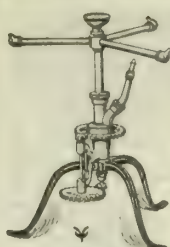
Hose Straps, Coldwell. Used in fastening coupler on hose. Doz., 15c.

## THE COOPER HOSE MENDER.



The best hose mender on the market, made of copper, with sharp barbs on either end, which prevents hose slipping off.  $\frac{1}{2}$  or  $\frac{3}{4}$  inch, each, 8c; doz., 75c; 1 inch, each, 10c; doz., \$1.00; postage 5c doz. extra.

Iron Mender, for  $\frac{3}{4}$ -inch hose. Each, 5c; doz., 50c.



## TWIN COMET LAWN SPRINKLER.

With a good pressure of water it will thoroughly sprinkle an area 60 feet in diameter. The nozzle and the tips on ends of arms are adjustable and can be set so as to sprinkle any desired space, or the nozzle can be set perpendicular to send the water upwards in a straight stream like a fountain. Best results can only be obtained with good pressure. Price, \$5.00.

## THE EVANSTON SPRINKLER.

One of the best lawn sprinklers on the market; has no revolving parts to wear out and will not clog with sand or dirt. Gives an even distribution of water over a large area. The fineness and symmetry of its spray makes it especially desirable for new lawns and flower gardens. Its location may be changed while under full working head, with perfect ease, by the aid of a wire or cord. Each, 35c; postpaid, 60c.



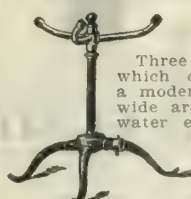
## Lincoln Park, or Butterfly.

Used for years in our Chicago parks; one of the most satisfactory sprinklers made. Each, 30c.

Mounted on stand, 2 foot, 75c; 4 foot, 85c; 6 foot, \$1.00.



## "Columbia" Sprinkler.



Three Arm Lawn Sprinkler, which can be operated with a moderate pressure, covers a wide area and distributes the water evenly. The revolving arms throw the water in a fine spray into the air and the motion produces a fine mist. Height, about 1 foot. Each, \$1.25; 3 for \$3.45.

## "AUSTRALIAN" SPRINKLER.

This sprinkler is one of the best distributors of water made, by reason of its rapid revolution and the form of its wings it distributes the water very finely and evenly.

Mounted on stand, 2 foot, 65c; 4 foot, 75c; 6 foot, 85c; 8 foot, \$1.00.

## HOSE NOZZLES.

**Boston Rose Spray.** Brass for  $\frac{3}{4}$  inch hose; useful for watering lawn and garden. Each, 60c; by mail, 70c.



**Standard.** With stream and 2 inch spray. Each, 75c; if by mail, 90c. Same with  $2\frac{1}{2}$  in. spray, \$1.00; if by mail, \$1.15.

**Gem.** Best all-around hose nozzle; can be used for lawn or garden, as it can be changed from fine spray to a stream by simply turning; for  $\frac{3}{4}$  inch hose. Each, 50c; if by mail, 60c.



## WATER BARREL TRUCK.



Can be used for a variety of purposes, barrel can be easily attached or detached from the truck by simply raising or lowering the handles. Water Barrel and Truck, with  $2\frac{1}{2}$  in. tires, \$11.00. Truck only, without barrel but with one pair trunnions, 8.75. Barrel, with sprinkler attachment only, 3.25.

## HAND CART BOX.



Used with truck makes a very convenient dumping hand cart. Length, 37 inches; width,  $23\frac{1}{2}$  inches; depth, 8 inches. Hand Cart Box with truck,  $2\frac{1}{2}$  in. tires, \$11.50; without, \$3.00.

## LEAF RACK



Very convenient for the cartage of leaves, cut grass from the lawn, etc. Rack has an average width of 28 in. by 42 in., and is 21 in. deep. Leaf Rack, with truck,  $2\frac{1}{2}$  in. tires, \$13.50; without \$5.00.

## HOT BED MATS



**Burlap Mats.** lined, waste wool and cotton. Size A, 40x76 in., \$1.00 each; per dozen, \$11.00. Size B, 76x76 in., \$1.35 each; per dozen, \$15.00. **Duck Mats.** Same as above, with water-proofed duck on one side to shed rain. Size C, 40x76 inches, \$1.50 each; per dozen, \$16.00. Size D, 76x76 inches, \$2.00 each; per dozen, \$21.50. **Rattan Mats (Singapore Fibre).** Mouse and rat proof, being made of flexible cane fibre, firmly put together. One of the best and most durable mats on market, 6 ft 2 in. long by 6 ft. wide. Each, \$2.50; dozen, \$27.00.

# SPRAYERS AND DUSTERS. FOR APPLYING INSECTICIDES, WET OR DRY.

## IRON AGE FOUR ROW SPRAYER.



The sprayer having become an absolute necessity in successfully raising various crops, especially potatoes, we are offering the Iron Age Sprayer as being the best and most up-to-date on the market, an air pressure machine, the pump deriving its power from main axes by a sprocket wheel, driven by both wheels.

The tank is 18 $\frac{1}{2}$  inches in diameter, 43 inches long and holds about 55 gallons, and is made of heavy galvanized iron, being fitted with dashers, which in revolving just wipe the bottom of tank, thus insuring perfect agitation. Wood tank can also be supplied, either 50 or 100 gallon. The pump is well made, of best material, and can be depended on.

The spraying nozzles are located in the rear of the machine, in plain sight of the operator and adjustable in height, spraying both small and very large plants, also adjustable to four different widths of rows, 28, 30, 33 and 36 ins.

An orchard attachment can also be supplied for spraying trees, grape vines and berry bushes. For this purpose two persons are required, one to operate the pump and the other to handle the spray nozzle. This same operator can easily guide the horse from tree to tree.

Write for descriptive circular illustrating complete line.

No. 102 Four Row Sprayer, rear discharge (equipped with thills) \$70.00  
Orchard Attachment 7.00

## Sunshine Double Action Spray Pump



two leads  $\frac{1}{2}$ -inch hose 5 feet long, fitted with Vermorel or Bordeaux Nozzles, \$10.00

## GEM SPRAY PUMP

This pump is designed for use with Barrel Cart, and can be set on any part of the chine for either right or left hand person. All working parts are of brass, and pump has 4-inch stroke, with 1 $\frac{1}{2}$ -inch cylinder. Price, Pump with 4 feet of discharge hose and Bordeaux Nozzle, \$6.00.



## Little Giant Bucket Pump



The best hand pump made; working parts solid brass; throws continuous stream, either solid or as a mist. Being light it is easily carried around in a bucket, making it just the thing for spraying low bushes, trees, etc. Can also be used for whitewashing. Price, \$3.50; fitted with level handle and Bordeaux Nozzle for Whitewashing, \$4.25.



## INSECTICIDE NOZZLES.

These are especially designed for use in spraying insecticides. Made to fit  $\frac{1}{4}$ -inch pipe connection. If wanted to fit  $\frac{3}{4}$ -inch hose order reducer, 25c extra. **Bordeaux Nozzle.** Each, 75c; by mail, 80c. **Vermorel Nozzle.** Each, 75c; by mail, 80c. **Coupling to fit nozzles to Bamboo Extension Rod.** num. Ten foot long, Each, \$4.50.



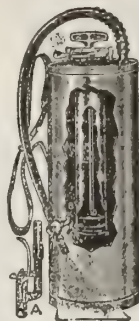
Bamboo Extension Rod.



**SPRAYERS and DUSTERS—Continued.****The Brandt Sprayer.**

This is the first and only knapsack compressed air sprayer on the market that gives an even and uniform spray. The trouble with all compressed air sprayers hitherto offered has been the necessity of pumping them ahead. This makes the pressure too high at the beginning and too low at the end. The result is an uneven discharge. In the "Brandt" the pumping is done during the progress of the work, this filling the tank with pressure as the liquid is discharged. About one stroke of the pump for each 15 to 25 hills of potatoes. The pressure is always under perfect control and is the same at all times, regardless of the amount of solution contained in the tank. Prices:

Galvanized Tank, \$5.00; with shut-off nozzle, \$5.50  
Brass Tank, \$6.00; with shut-off nozzle, 6.50  
Double Nozzle for spraying two rows, 1.50  
Tree Nozzle with 3-foot extension, 1.50

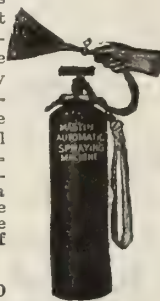


Extension rods, 2-foot lengths, 45c. Two row attachment, \$1.35.

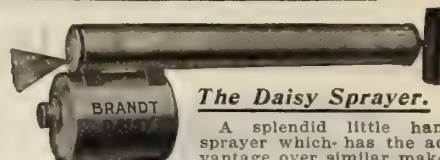
**Mastin Compressed Air Sprayer**

One of the best Compressed Air Sprayers on the market. Pump is powerful, simple, and does not readily get out of order. The sealing or locking device securing the pump in the tank is simplicity itself, sealing the machine perfectly, with the minimum of time and labor. The Spray Nozzle will produce a spray that is truly mist-like. The machine may be suspended from the shoulder by a strap, the pump operated with one hand and the spray nozzle with the other. Tank holds 8 gallons of liquid.

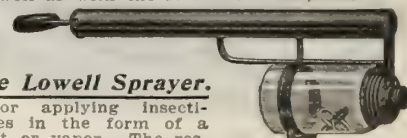
Price, Galvanized Steel Tank.....\$6 50  
Brass Tank.....8 50  
2-foot brass extension rods 35

**The Auto Spray.**

Eight to ten strokes of the plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for nine minutes. The "Auto Spray" has been improved by the addition of the "Auto Pop" shown in illustration. Briefly described the "Auto Pop" is an automatic valve which is closed by the air pressure used to operate the "Auto Spray." In operation a lever is moved by simply closing the hand, thus opening the valve and allowing an instantaneous discharge of spray. Price, galvanized iron reservoir, \$4.50 with Auto Pop, \$5.40 solid brass reservoir, \$6.75; with Auto Pop, \$7.65.

**The Daisy Sprayer.**

A splendid little hand sprayer which has the advantage over similar makes that it will spray when held either up or down. The plunger is fitted with a double washer which gives a spray with the backward stroke as well as with the forward. Each, 65c.

**The Lowell Sprayer.**

For applying insecticides in the form of a mist or vapor. The reservoir of this sprayer is made of glass, which enables the operator to see ingredients mixing. The glass sprayer will not corrode or rust. If broken can be replaced at once with a Mason Fruit Jar. Price, each, 75c; 3 for \$2.00.

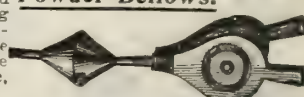
**Pneumatic****Sprayer.**

Compressed air hand sprayer. Enables the operator to spray with one-half the labor the ordinary sprayer requires. Throws a fine mist and can be used to advantage in applying insecticides, etc. One quart size. Galvanized Tank, each, \$1.00; Brass Tank, each, \$1.75.

**LITTLE GIANT DUSTER**

The best dry powder gun; will distribute any dry insecticides and fungicides. Will do as much work in a day as a horse power sprayer. Dusts two rows at once. Price, \$5.50.

American. Used for dusting plants with sulphur or like material. Three sizes, each, 65c, 90c and \$1.00.

**Powder Bellows.****INSECTICIDES and FUNGICIDES.**

**Arsenate of Lead.** Popular remedy for use against all eating insects that attack foliage and fruit trees. Will not wash off nor in any way burn the foliage. Use two or three pounds to fifty gallons water. 1 lb 25c, 5 lbs \$1.00, 10 lbs \$1.80, 25 lbs \$3.75, 50 lbs \$6.50, 100 lbs \$12.00.

**Ant Exterminator.** A non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. Box 25c; by mail 35c, smaller size 15c.

**Aphine.** A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. Per quart \$1.00, gallon \$2.50.

**Bordeaux Mixture.** (Liquid or Paste.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab, or other fungoid diseases on fruits and plants. One gallon will make 50 gallons liquid. 1 qt 40c, gal \$1.00, 5 gals \$4.50.

**Bordeaux Mixture.** (Dry.) Ready for use by simply adding water. Lb 25c; postpaid 40c, 5 lbs 85c, 28-lb kegs \$4.50.

**Fir Tree Oil.** Fine spray for greenhouse and house plants affected with mealy bug, scale, red spider, black and green aphids, thrip lice, worms and slugs. Small bottle 25c, ½ pint 40c, pint 75c, quart \$1.25, gallon \$4.00.

**Fir Tree Oil Soap.** For thrip, red spider, black and green fly, mealy bug, worms. ½ lb. tin, 25c; 2 lbs., 75c.

**Flowers of Sulphur.** Per lb., 10c; 10 lbs., 75c; 25 lbs., \$1.50.

**Grape Dust.** Excellent for the prevention and destruction of mildew on plants. Per lb., 10c; 5 lbs., 35c.

**Hellebore Powdered White.** Less poisonous than Paris Green and safer to use when fruit is nearly ripe. Per lb., 25c; by mail, 40c; 5 lbs., \$1.00; 10 lbs., \$1.80.

**Lime-Sulphur.** The best remedy for San Jose scale. One gallon makes ten. Also one of the best Summer sprays, as it is an excellent fungicide. When used in Summer dilute with 20 to 30 parts water. Per qt. can, 40c; 1 gal., \$1.00; 5 gal. can, \$4.50; bbl., 50 gals., 75c per gal.

**Lemon Oil.** Destroys mealy bug, scale, thrip, red spider, etc. ½ pint, 30c; pint, 50c; quart, 85c; gal., \$2.00.

**Horcum.** Sulphur, Lime, Salt, etc., in such proportions as to make an effective wash for use as a preventive and cure for San Jose scale. Use one gallon to 20 gallons of water and spray trees when leaves are off. Per gal., \$1.00; 5 gals., \$4.50. Write for Barrel prices.

**Kil-o-Scale.** One of the best remedies for San Jose scale. Perfectly soluble in water in any proportion and will stay in suspension indefinitely. 1 gal., \$1.50; 5 gals., \$6.75. Write for Barrel prices.

**Kerosene Emulsion.** One of the best insecticides for all soft bodied sucking insects feeding openly so as to be within reach of actual contact, such as plant lice, fleas, beetles, aphids, green fly, mealy bug, also for insects of fruit trees, including San Jose scale. Per qt. can, 40c; 1 gal., \$1.00; 5 gal. can, \$4.50.

**Nico-Fume.** Strips of Paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, 75c, post-nail, 90c; 144 sheets, \$3.50; 288 sheets, \$6.50.

**Nico-Fume Liquid.** For fumigating or spraying; contains 40 per cent nicotine. ¼ pint, 50c; pint, \$1.50; ½ gal., \$5.50; gal., \$10.50.

**Nicoticide.** Fumigating or spraying compound for killing insects on plants in greenhouses and frames. 4 ozs 70c, ½ pint \$1.25, pint \$2.50, quart \$4.50, ½ gallon \$8.25, gallon \$15.00.

**Nicotine.** Highly concentrated. Pint, \$1.50.

**Persian Insect Powder.** Lb., 40c; by mail, 55c.

**Solution of Copper.** For trees, vines or vegetables affected with rot, blight or scab. Pint, 35c; quart, 60c.

**Slug Shot, Hammond's.** Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage lice and worms. Price, 1 lb. carton, 15c; 5 lbs., 30c; 25 to 50 lbs. at 43c per lb.; keg of 125 lbs., net, \$5.00; barrel in bulk, 250 lbs., \$9.35.

**Slug Shot Duster.** Each, 35c.

**Paris Green.** A poisonous insecticide in powdered form, for insects which chew. When applied as a powder use one part Paris Green to 100 parts plaster or flour. As a liquid one pound Paris Green in 150 to 300 gallons water. If used on fruit trees add one pound quicklime. ¼ lb 12c, ½ lb 18c, 1 lb 30c, 5 lbs \$1.40, 14 lbs \$3.65.

**Thrip Juice.** For mealy bug, scale, thrip, codling moth, canker worm, beetles, caterpillars, etc. Per pint, 65c.

**Rose Leaf Extract of Tobacco.** An effectual insecticide for the destruction of all insects and scale on plants. Pt 30c, qt 50c, gal \$1.25.

**Rose Tobacco Soap.** One of the best for green fly on roses. Per ½ lb box 25c (by mail 30c), 2 oz pkg 10c.

**Scalecide.** Oil preparation for San Jose scale. \$6.00, 50 gals \$25.00.

**Tobacco Stems.** For fumigating. 5 lbs 20c, per 100 lbs \$1.50.

**Tobacco Dust.** Remedy for aphids, fleas, beetles, etc. Lb 10c (by mail 25c), 5 lbs 25c, 10 lbs 40c, 100 lbs \$2.50.

**Fish Oil Soap.** (Commonly known as Whale Oil Soap.) An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing on trees to prevent worms crawling up. Per lb 15c, 2 lbs 25c, 5 lbs 50c.

**X. L. All-Liquid Insecticide.** English nicotine preparation, harmless to very delicate plants. Kills mealy bug, red spider and white fly. ½ gal \$2.00, 1 gal \$3.75.

**EUREKA WEED KILLER.**

A special preparation which dissolves in water. Will destroy all weeds, moss, etc., on gravel walks, carriage drives, etc., and keeps them under for the whole season.

All who have used this preparation praise it highly. Large size tin, enough for 100 square yards of path, \$1.00; 12 lb. tin, \$3.00.

**Sulphate of Iron.**

A remedy for weeds on lawns for which it is claimed that it will kill dandelions without injuring the grass. To be successful, liquid should be applied with a fine spray. Full particulars on application. 5 lbs 25c, 10 lbs 40c, 25 lbs 75c, 50 lbs \$1.25, 100 lbs \$2.25.

**RADIX WORM ERADICATOR**

Invaluable for putting greens, lawns and pot plants, effectually destroying worms and other insects without injuring the grass or the most delicate plants.

1 gal \$2.00, 2 gals \$4.00, 5 gals \$9.25.



# VAUGHAN'S GARDEN TOOLS and REQUISITES.

**BASKETS**—Wire Hanging. (Fig. 1.) 6-inch, 10c each; 8-inch, 15c each; 10-inch, 20c each; 12-inch, 25c each; 14-inch, 30c each.

**Rustic Hanging.** Diameter bowl 8-inch, each, 75c; 9-inch, 85c; 10-inch, 95c; 11-inch, \$1.00; 12-inch, \$1.25; 14-inch, \$1.75.

**Earthenware Hanging.** Terra Cotta (Fig. 1a). Ornamented, with saucer attached. Each. Doz.  
7 inch.....\$0.15 \$1.50  
8 inch.....25 2.25  
9 inch.....30 3.00  
10 inch.....40 4.25  
12 inch.....50 5.00

**CARNATION SUPPORTS.** (Fig. 2.) Model; wire, 2 rings. Dozen, 45c; 100, \$3.00; 3 rings, doz., 55c; 100, \$3.50.

**DANDELION PULLER**—The Vaughan. (Fig. 3.) The best Dandelion Puller on the market; made of best steel, after an English pattern; measures 13½ inches and weighs 10 ounces. Each 50c, by mail 60c.

**DIBBLER** (Fig. 4). For transplanting vegetable plants; steel point. Each, 30c; postpaid, 40c.

**FORK.** Digging or spading, 4 tines. Each, 85c.  
**FUMIGATORS.** (Fig. 5.) Each.  
No. 1 Eureka, Galvanized, holds ½ pk. of stems.....\$1.50  
2 " " " " 1 " " " " 2.00  
3 " " " " 1½ bu. " " 2.75  
4 " " " " 3½ " " " " 3.50

**GARDEN LINE REEL.** (Fig. 6.) Each, 60c.

**GARDEN LINE.** (Fig. 7.) Each heavy braided. Per 100 feet, 50c; by mail, 60c.

## GLAZING MATERIAL.

**GLASS CUTTER AND GLAZING TOOL.** Each, 10c.

**GLASS CUTTER, DIAMOND.** Each, \$3.00.

**GLAZING POINTS.** Van Reyper Perfect. No rights or lefts, No. 2, small, single thick glass; No. 1, large, single thick glass; No. 2½, double thick for greenhouse and skylights. Price, per box of 1,000, 70c; by mail, 85c.

**Seibert's Improved.** Easy to drive, and made so that they will not wedge or crack the glass in driving them. They are made in 2 sizes, ¾ and ¾-inch long. Price, per lb., 50c; by mail, 65c.

**MASTICA.** For glazing greenhouses, hotbeds, sash, etc., much better than putty, does not crack, always remains soft. Per gallon, \$1.25.

**MASTICA MACHINE.** (Fig. 10.) For applying above. Each, \$1.25.

**TWENLOW'S OLD ENGLISH GLAZING PUTTY.** Semi-liquid. To be used in same manner as Mastica. Per gallon, \$1.30.

**SCOLLAY'S PUTTY BULB.** A useful tool with a tube for applying liquid putty in glazing greenhouses. Each, 85c. If by mail, add 10c each for postage.

**GLOVES**—Gardener's. (Fig. 8.) Heavy Goatskin. Per pair, \$1.00.

**GRASS HOOKS or Sickles.** (Fig. 11.)—English. Riveted backs, each, 50c.

**German.** The best cheap Sickle on the market, much used in cemeteries and parks, where tools get hard usage. Each, 30c.

**GRAFTING WAX.** Per ¼-lb. bar, 12c; ½-lb. bar, 20c; 1-lb. bar, 35c. If by mail, add 10c per lb.

**HOE**—Draw or Field. Socket Handle. Each, 50c.  
Combination Draw and Rake. 4½ inches cut and 4 teeth. Each, 50c; 6½-inch cut and 6 teeth, 60c.

**English Scuffle or Push.** (Fig. 13.) 6-inch, 55c; 8-in., 65c; 10-in., 75c.

**Prong Hoe or Potato Hook.** Four tines. 50c.

**Warren.** The best Garden Hoe made. Each, 70c.

**Weeding and Cultivating.** Single Prong. Each, 30c. Double Prong. Each, 35c.

**HORSE RADISH GRATER.** (Fig. 14.) Capacity, 20 lbs. of root per hour; weight, 38 lbs. Each, \$8.00.

**KNIVES**—Asparagus. Vaughan's Straight Cut (Fig. 28). Each 45c, by mail 50c.

Asparagus. Vaughan's Concave (Fig. 27). Each 50c, by mail 55c.

Budding (Fig. 17). Ivory handle. Each, \$1.10; by mail, \$1.20.

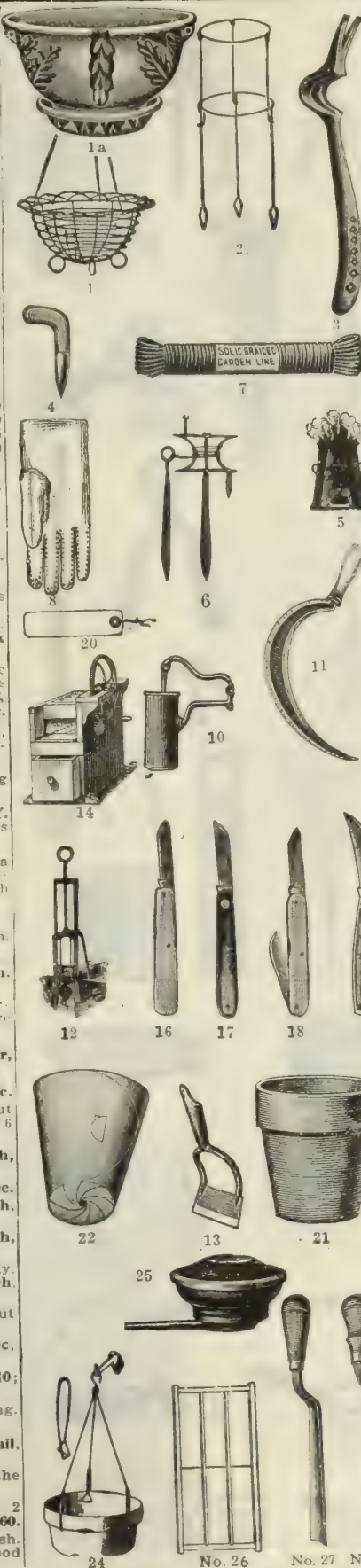
Budding. Black handle, ivory tip, strong. Each, 85c; by mail, 95c.

Propagating. Ivory handle. Each, \$1.25; by mail, \$1.30.

Propagating (Fig. 16). "The Vaughan," the best of all. Each, 75c; by mail, 80c.

Budding and Propagating. (Fig. 18.) 2 blades, ivory handle. Each, \$1.50; by mail, \$1.60.

Pruning. (Fig. 19.) Stag handle, English. Each, \$1.10; if by mail, \$1.20. American, a good tool, 75c.



**KNIVES**—German Pruning. Two blades. Each, \$1.00.

**Potato Knife.** "The Humphrey." Will cut to eye or more eyes without injuring the vital tissues. Each, postpaid, 30c; 3 for 75c.

**LABELS**—Aluminum Tree Labels (Fig. 20). They are wired and measure 3½ inches long, 1 inch wide. Price, per doz., 30c; 100, \$2.00; 1,000, \$18.00.

Class. Per doz., 25c; per 100, \$2.00.

**Wooden.** For pots, painted.

4 in.	100	1000	6 in.	100	1000
5 in.	30	1.50	12 in.	20	1.50

**Tree, Copper Wired** 3½ in. .20 1.50

**COPPER.** Indestructible. Small, 20c doz.; 100, \$1.25; large, 25c doz.; 100, \$1.50.

**CYPRESS.** For use outside, will last for years. 16x1¼ in. Doz., 25c; 100 for \$1.25; 18x1¼ in. doz., 30c; 100 for \$1.50.

**IRON AGE.** Made of galvanized iron. The reading is protected by a sheet of Mica. Each, 20c; doz., \$2.00; 100 for \$15.00.

**LEAF MOULD.** For potting ferns and like plants. Bbl., \$1.80.

**CARBOLEUM PAINT.** Used on labels will preserve them for years. Qt., 25c; gallon, \$1.25.

**MOLE TRAPS.** Out of Sight. One of the best mole and gopher traps. Each, 85c.

Reddick (Fig. 12), \$1.00; German, Old Style, 25c.

**PEAT.** For potting orchids, etc. Per bbl., \$2.50.

**PEAT MUCK.** For potting Azaleas. Per bbl., \$2.00.

**PENCILS.** Indelible. With tip. For marking labels. Each, 15c; doz., postpaid, \$1.50.

**PLANT BED CLOTH**—For Flower Beds. Cheap substitute for glass, answering many uses equally well. 20 yards and upward, medium, per yard, 10c; heavy, 14c; 50 yards and upward, medium, per yard, 9c; heavy, 13c; 100 yards and upward, medium, per yard, 8½c; heavy, 12½c. We do not sell less than 20 yards of a kind.

## POTS, SAUCERS, PANS.

**RED FLOWER POTS** (Fig. 21).—We pack these carefully but will not be responsible for breakage

In transit.	Doz.	100	1000	Doz.	100	1000
2 -inch.....	\$0.12	\$0.65	\$ 5.50	6-inch.....	\$0.65	\$ 4.00
2½-inch.....	.15	.85	7.00	7-inch.....	1.00	7.00
3 -inch.....	.20	1.25	10.00	8-inch.....	1.40	10.00
4 -inch.....	.35	1.75	15.00	10-inch.....	each	.25
5 -inch.....	.45	3.50	25.00	12-inch.....	each	.40

## SAUCERS, RED.

Doz.	100	Doz.	100	
3-inch.....	\$0.15	\$1.00	7-inch.....	\$0.50
4-inch.....	.25	1.50	8-inch.....	.80
5-inch.....	.35	2.00	10-inch, each	.15
6-inch.....	.45	2.75	12-inch, each	.20

## SAUCERS, FIBRE, waterproof and unbreakable.

Doz.	100	Doz.	100	
4-inch.....	\$1.00	\$7.50	8-inch.....	\$1.50
5-inch.....	1.15	8.00	9-inch.....	1.65
6-inch.....	1.35	8.50	10-inch, each	.25
7-inch.....	1.35	9.00	12-inch, each	.20

## FERN PANS, RED.

Each.	Doz.	Each.	Doz.	
6-inch.....	\$0.07	\$0.75	9-inch.....	\$0.15
7-inch.....	.08	.85	10-inch.....	.25
8-inch.....	.12	1.25		2.00

## AZALEA PANS, RED.

Each.	Doz.	Each.	Doz.	
5-inch.....	\$0.05	\$0.50	9-inch.....	\$0.25
6-inch.....	.07	.75	10-inch.....	.35
7-inch.....	.12	1.25	12-inch.....	.50
8-inch.....	.15	1.50		

**NEPONSET PAPER** (Fig. 22). Made of waterproof paper and are light, clean, and unbreakable.

Per 100	1000	Per 100	1000	
2¼-inch.....	\$0.35	\$3.00	4-inch.....	\$0.95
2½-inch.....	.40	3.50	5-inch.....	1.30
3 -inch.....	.60	5.00	6-inch.....	1.85
3½-inch.....	.75	6.45		16.50

**POT HANGER.** Kramer's (Fig. 24). Converting flower pots into hanging baskets. Price, each, 15c; doz., postpaid, \$1.35.

**POWDER GUN**—Jumbo. (Fig. 25.) Each, 30c; small size, 10c; by mail, 15c.

**RAKES**—Steel Bow Garden. Best rake; does not break in the center. 12 teeth, 60c; 14 teeth, 75c; 16 teeth, 90c.  
Garden. 12 teeth, 50c; 14 teeth, 60c; 16 teeth, 75c.

Lawn. (See Page 140.)

**RAFFIA.** The best tying material for plants. Per lb., 25c; postpaid, 40c.

**SASH HOTBED.** (Fig. 26.) Unglazed, for 10-inch glass, each, \$1.35; 3 for \$4.00; doz., \$15.00.  
For 8-inch glass, each, \$1.45; 3 for \$4.25; doz., \$16.50.

Write for prices on Glazed Sash.



**VAUGHAN'S GARDEN TOOLS and REQUISITES.**—Continued.

**SAWS.**—Double Edge Pruning. Holes are provided in the handle for attaching to a pole; 16-inch, 85c; 18-inch, \$1.00; 20-inch, \$1.15.

**Vaughan's "Perfection" Pruning.** Adjustable blade, so branches can be easily removed close to the trunk of the tree. Each, \$1.85; extra blades, 25c.

**SCISSORS.**—Grape Thinning. (Fig. 28.) Each, 60c.

**SHEARS.**—Hedge. (Fig. 29.) Best imported English.

8-inch, \$1.25; with notch.....\$1.40  
9-inch, 1.50; with notch.....1.65  
10-inch, 1.75; with notch.....1.90  
The notch is at the crutch of the blades for cutting small branches.

**German Pruning.** (Fig. 27.) 4½-inch. Price, each, 75c; 5½-inch, 85c; 6½-inch, 90c; 7½-inch, \$1.10; 8½-inch, \$1.25; 9½-inch, \$1.40. Extra springs, each, 15c.

**California Pruning.** Best grade, with double brass springs and one extra blade. Each, \$2.25.

**Levins Pruning.** (Fig. 30.) One of the best pruning shears made. Each, 50c.

**Sheep.** With thumb guard. For trimming grass on edges and around flower beds. Each, 35c.

**Sheep.** Best quality steel, 6½-inch blade, \$1.25.

**Buckeye Pruning.** Long handle. Each, 75c; large size, heavier, \$1.25.

**Clyde Draw Cut Pruner** (Fig. 31). Extra strong, long handle, \$2.25.

**Improved Wire.** For cutting annealed wire. Each, 85c.

**SHOVELS.**—Ames—D handle, round point. Each, \$1.35.

Ames—Long handle, round point. Each, \$1.30.

Ames—D handle, square point. Each, \$1.30.

**SIEVES.**—For sifting soil, 18 inches in diameter, all sizes mesh from ¼ to ¾ inch. Each, \$1.25.

**SOIL.**—Potting. Suitable for all ordinary plants and bulbs, and will be sent by express or freight at buyer's expense, sifted and packed ready for use. Pk 35c, bu \$1.00, bbl \$2.00.

**SPADES.**—Vaughan's—Special D handle (Fig. 32). Each, \$1.25.

**SPRINKLERS.**—The Lenox (Fig. 33). A splendid sprayer for in or outdoor plants, rose bushes, etc. A fine spray may be thrown under, over, or upon the foliage of any plant or shrub, removing the dust and insects. Each, 35c; by mail, 40c.

**Scolley's Rubber.** (Fig. 34). Indispensable for floral work. Large, \$1.00; by mail, \$1.10; medium, 75c; by mail, 82c; small, 60c; by mail, 65c.

**STAKES.**—Green Painted Wood: very useful for tying plants, shrubs, etc.

	Per doz.	100		Per doz.	100
Light—1½ ft.	\$0.20	\$1.00	Light—3½ ft.	\$0.60	\$4.50
Light—2 ft.	.25	1.75	Light—4 ft.	.75	5.50
Light—2½ ft.	.35	2.50	Light—5 ft.	.85	6.50
Light—3 ft.	.50	3.50			

Heavy Dahlia—3 ft. ....\$0.75 \$5.50

Heavy Dahlia—4 ft. ....1.03 7.00

Heavy Dahlia—5 ft. ....1.15 9.00

Cane Stakes—6 to 8 ft. long. ....\$1.00 \$7.00

Cane Stakes—9 to 12 ft. long, ex. heavy 1.50 12.00

Bamboo Stakes—4 to 6 ft. long, light

Japanese cane......75 6.00

Japanese Green Plant Stakes—Doz. 100 100

1½ ft.....\$0.15 \$0.75 3½ ft.....\$0.30 \$1.25

2 ft......18 .85 4 ft......35 1.45

2½ ft......20 .95 5 ft......40 1.80

3 ft......25 1.10

**GALVANIZED WIRE.**

No. 8—Per doz. 100

1½ ft.....\$0.16 \$0.75 3½ ft.....\$0.30 \$1.25

2 ft......18 .85 4 ft......35 1.45

2½ ft......20 .95 5 ft......40 1.80

3 ft......25 1.10

**STAND, ROLLING.**—(Fig. 35.) For heavy plants. Made of indurated fibre ware. Castors have ball bearings; 12-inch, 75c; 14-inch, 85c; 16-inch, \$1.10; 18-inch, \$1.20; 20-inch, \$1.50; 22-inch, \$1.70.

**SYRINGES.**—(Fig. 36.) Brass.—No. 0, 12½ inch spray for small greenhouses or windows. \$2.00.

No. 5—Greenhouse syringe, 18-inch barrel, \$6.00.

English—Brass, No. 11, 18-inch barrel, with two different sprays and one stream, \$4.00.

Brass—For liquid insecticides. Each, \$1.65.

**THERMOMETERS.**—These cannot be sent by mail.

Tin Case. (Fig. 37.) 8-inch, 20c; 6 for \$1.00.

Cabinet. Wood case, 50c; 3 for \$1.35.

Imported German. All glass, very accurate for propagating and hot beds, 30c.

Hot Bed. Brass pot, wooden frame, \$2.00.

Self-Registering. With magnet to set it. 8-inch, each, \$3.00; registers highest and lowest temperature. Minimum for registering cold, \$1.65.



**THISTLE CUTTERS.**—Narrow blade for removing thistles or weeds from lawns. With foot rest, 50c.

**TOMATO SUPPORTS.**—Made of heavy galvanized wire, will last for years.

F. O. B. New York. Each, 20c; doz., \$1.75.

F. O. B. Chicago. Each, 25c; doz., \$2.00.

**TORCH ASBESTOS.**—Saturate with kerosene oil, light and hold under the caterpillars' nest and along the branches where the insects lodge. Price, 30c; by mail, 40c.

**TRELLIS WOOD.**—Fan Shape (Fig. 38). 18-inch, 15c; 3 for 40c; 24-inch, 25c; 3 for 60c; 30-inch, 30c; 3 for 75c; 36-inch, 50c; 3 for 125c; 3½-foot, 21 inches wide, 60c; 4-foot, 27 inches wide, 75c; 5-foot, 32 inches wide, 85c; 6-foot, 38 inches wide, \$1.00; 7-foot, 42 inches wide, \$1.20.

Veranda.—18-inch wide, 5 feet, 75c; 6 feet, 85c; 7 feet, \$1.00; 8 feet, \$1.20; 9 feet, \$1.30; 10 feet, \$1.50.

**TROWELS.**—Vaughan's Steel. (Fig. 39.) One solid piece of steel and will outwear all others. Each, 50c; 3 for \$1.40. Postpaid, each, 60c.

Ordinary Garden. 6-inch, each, 12c; prepaid, 20c; 7-inch, each, 15c; prepaid, 23c; 8-inch, each, 20c; prepaid, 28c.

English Steel. 6-inch. (By mail add 10c), 25c. Cleve's Angular. By mail, 25c.

**TREE PRUNERS.**—Water's. (Fig. 40.) Length of pole, 4 feet, 60c; 6 feet, 75c; 8 feet, 90c; 10 feet, \$1.00; 12 feet, \$1.10. Extra knives, each, 20c.

Lee's New Pole Tree Pruner. Without pole, \$1.00. Extra springs, 15c.

**TREE SCRAPER.**—(Fig. 41.) With handle, Each, 75c.

**FLOWER TUBS.**—Columbian. (Fig. 42.) Made of the best pine lumber. Has 12 staves in tapered shape held together by two steel wires. Natural varnish finish. Measurements are outside of tub.

F. O. B. Chicago only.

12 by 11 inches.....Each, \$1.00; 4 for \$3.60

15 by 14 inches.....Each, 1.50; 4 for 5.60

18 by 16½ inches.....Each, 2.00; 4 for 7.50

21 by 18½ inches.....Each, 2.50; 4 for 9.40

24 by 20½ inches.....Each, 3.00; 4 for 11.00

**Union Cypress.** (Fig. 43.) These tubs are made of ¾-inch cypress, which insures their keeping for years without rotting. Measurements are outside of tub.

No.

1—13½ in. diam., 12-in. high.....Each, \$1.00; 4 for \$3.60

2—14 in. diam., 14-in. high.....Each, 1.25; 4 for 4.60

3—16 in. diam., 16-in. high.....Each, 1.50; 4 for 5.40

4—19 in. diam., 18-in. high.....Each, 2.25; 4 for 8.40

5—21 in. diam., 20-in. high.....Each, 2.80; 4 for 10.40

**TURF EDGER.**—American (Fig. 44). Each, 50c.

English. Imported steel blade only, \$1.00.

**VASE.**—(Fig. 28B.) Clara Cemetery. Glass, 12 in., sharp pointed, 50c.

Fibre. For Cut Flowers. Unbreakable.

9 in. deep, 4½ in. wide.....Each, \$0.45

10 in. deep, 5½ in. wide.....Each, .50

13 in. deep, 8 in. wide.....Each, .60

18 in. deep, 5½ in. wide.....Each, .70

**WATERING POTS.**—American (Fig. 45). Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, \$1.75; 6 quart, \$2.00; 8 quart, \$2.25; 10 quart, \$2.50; 12 quart, \$2.75.

French Style. Oval, otherwise same make as above; 6 quart, \$2.25; 8 quart, \$2.50; 10 quart, \$2.75; 12 quart, \$3.00.

**WEEDERS.**—Combined (Fig. 46). Each, 25c.

Eureka (Fig. 47). The best little hand weeder for loosening soil around plants that we know of.

Short handled, 25c; long handled, 35c.

Excelsior (Fig. 48). Each, 10c.

Hazeltine Each, 20c.

Langs (Fig. 50). This we find to be by actual trial a first-class labor saver. Price, each, 20c; postpaid, 25c.

**WHEELBARROWS.**—The Globe Garden (Fig. 51). Inside measurement of box, 30 inches long, 19 inches wide at wheel end, 24 inches at handle end, 12 inches deep. Has a 20-inch wheel. Price with steel wheel, \$3.60.

The Vaughan Greenhouse. We have had numerous calls for a wheelbarrow which could be used in a greenhouse, the ordinary barrow being too wide for that purpose, and we had built for us a special barrow which will fill this want perfectly. Price, each, \$5.00.

**GARDENERS' REGISTER.**

High-class men, with good records, can be obtained at  
VAUGHAN'S SEED STORES,  
Chicago and New York.





## RAFFIA FIBRE for BASKETS, Etc.

Raffia is the name given to a long-leaved palm found on the Island of Madagascar. The outer skin of the leaves is stripped off by the natives and tied in long hanks or braids, after which it is packed in bales ready for shipment. As a weaving material it is ideal, combining, as it does, softness and flexibility with great strength. The strands average three feet in length; this gives it a decided advantage over splints and grasses.

The Raffia which we import is the finest grade to be obtained on the island, and should not be compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in fourteen different colors, a sample card of which will be mailed upon request.

Natural, bunch (about 3 ozs.) \$0.10 Colored, bunch (about 2 ozs.) \$0.10  
Natural, per lb. .25 Colored, per lb. .50  
Natural, 5 lbs. 1.00 Mixed Colors, per bunch. .10  
Needles, for Raffia Work, per package. .10  
By mail, 1 cent per ounce extra.

## REEDS (RATTAN)

Since the recent awakening to the importance of basketry Rattan has been brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 8 are the common sizes, 6 and 8 being used for the coarser work.

No.	Oz.	1/4 Lb.	Lb.
No. 1.	\$0.10	\$0.35	\$1.25
No. 2.	.08	.30	1.00
No. 3.	.07	.22	.75
No. 4.	.07	.22	.75

## Indian Sweet Grass.

Sweet Grass is an excellent basket-weaving material, and may be combined with Raffia with charming effects. As its name implies it possesses a delightful fragrance.

Oz. \$0.10 1/4 lb. \$0.25  
1 lb. .85

## WOOD RIBBON.

Imported from Germany. Very thin, 2 1/2 inches wide and comes in 7 fine colors, besides natural. Oz., 12c; 1/4 lb., 40c; lb., \$1.25.

## INDIAN SPLINTS.

Made from ash wood by the Indians. These splints are one-half inch wide. 7 colors, besides natural. Oz., 20c; 1/4 lb., 50c; lb., \$1.50.

## BASKET BOOKS, Postpaid.

Basket Making. Morse. Paper, 32 pages, illustrated. For beginners. \$0.25  
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated. 1.00  
Raffia and Reed Weaving. Knapp. Cloth. 132 pages, illustrated. .50  
Indian Basketry. James. Cloth. 402 pages, illustrated. 2.50

## How to Make a Flower Garden.

Full of practical information and suggestion. Written by men thoroughly conversant with this subject. Profusely illustrated from photographs showing actual conditions as they exist. The Water Garden. Herbaceous Border. Trees and Shrubs. Spring Bulbous Flowers, etc., treated in detail. Cloth, 370 pages, \$1.60.

## Garden Making.

By Prof. Bailey. The most up-to-date book on general gardening. Postpaid, \$1.50.

## Mushrooms: How to Grow Them.

By Falconer. The only American book on the subject, 29 illustrations. Written by a practical mushroom grower who tells the whole story so tersely and plainly that a child can understand it. This book has been the means of increasing mushroom growing in this country to enormous proportions. \$1.00.

## Landscape Gardening.

By Maynard. Gives general idea of landscape work on the home grounds. The many suggestions of this book will be found helpful to anyone who wishes to do landscape work. 338 pages, 165 illustrations. \$1.50.

## HOW TO MAKE A FLOWER GARDEN



# BOOKS.

PRICES QUOTED BELOW  
INCLUDE POSTAGE.

Alfalfa. F. D. Coburn. Illustrated. Cloth; 164 pages. \$0.50  
American Garden Book (in German). Hans Buschbauer. Cloth; 504 pp. 2.00  
Art of Propagation. Treats of trees and plants. Paper; 31 pages. .30  
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages. .50  
Bulbs and Tuberous Rooted Plants. Allen. Cloth. 1.50  
Carnation Culture. Ward. Illustrated. Cloth; 290 pages. 3.50  
Carnation Culture. L. L. Lamborn. Cloth; 175 pages. 1.50  
Carrots and Mangels. Gregory. Paper. .30  
Celery Manual. Vaughan's. Paper. .25  
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages. .50  
Cook Book. Vaughan's Vegetable. Paper, 25c; cloth. .40  
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Double and  
Single  
Wheel Hoes

# IRON AGE

Hill and  
Drill  
Seeders

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Price  
Complete  
\$11.00

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An extremely light, yet strong tool, designed for use in a small kitchen garden—it will plow, open furrows and cover them, hoe, rake, cultivate or ridge crops. It is not a cheap tool but is sufficiently low-priced to be within the reach of any laborer, mechanic or owner of small garden with little money to invest in tools, or time to spare for anything but straight ahead cultivation.

Price  
\$3.50

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## No. 1 Combined Double and Single Wheel Hoe.

This is the Wheel Hoe form of the No. 6. Can be made into Single Wheel Hoe in one minute. Cultivates astride the row close up on each side without injury to the plants or between any width rows with hoes reversed. The steel wheel is 16 in. high, runs easier and don't drop into the low places as a low wheel would do. The frame is made of hollow steel tubing, securely attached to malleable castings—light and very strong. Takes all of the tools shown and various attachments for special work including Drill Attachments to sow in continuous rows or both drills and hills. The latter are \$4.00 and \$5.00 respectively. If this Wheel Hoe is wanted plain, with hoes only, order as No. 3. Price \$4.25.

Price  
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## No. 20. Single Wheel Hoe.

The wheel hoe form of No. 15. Tools include side hoes, cultivator teeth, rakes and landside plow. Seeder attachments for drill and hill or drill only can be applied any time. When wanted plain, with side hoes only, order No. 21. Price, \$4.00.

Price  
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\$6.00

## No. 25 Fertilizer Distributor Attachment.



Capacity, 4 quarts. Sows across the bottom of the furrow, or on either side or as side dressing for the growing crop. Side dressing is practiced more each year—forces maturity of the crop, making it more tender and salable. This attachment makes a complete practical tool at small expense.

This attachment is made to be applied to frame of the No. 20 Single Wheel Hoe. Price \$4.50. If wanted complete with frame-wheel and handles. Price \$8.00.



Price  
Complete  
\$4.50



**No. 19 Wheel  
Plow and  
Cultivator.**

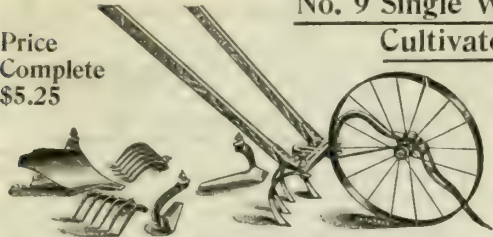
Price  
Complete  
\$3.25



A light, strong, low-priced tool with 24 in. steel wheel and steel frame. The working tools include landside plow to break ground, open furrows and cover them, and cultivate—a special scuffle hoe, rake and two sizes of cultivator teeth.

**No. 9 Single Wheel Hoe,  
Cultivator, Plow  
and Rake.**

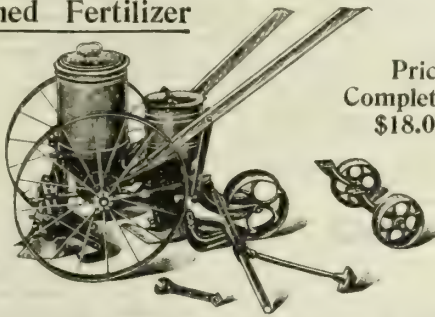
Price  
Complete  
\$5.25



each side at the same time, by placing the wheel on left side of frame. Complete set of tools furnished. If wanted with side hoes only, order No. 10. Price, \$3.25.

**No. 22 Combined Fertilizer  
Distributor,  
Hill and Drill  
Seeder.**

Applies the fertilizer in connection with the seed, just where it will do the most good. The fertilizer is sown by force feed—no stoppage from small lumps. Covers draw the soil over the fertilizer soon as sown, two opening plows are provided—one or both can be used, the distributor tubes are brass wire, will not rust and are flexible to allow for narrow and wide adjustments of the plows. The seed attachment is practically same as used on Nos. 6 and 15. Sows in continuous rows or drops in hills. Can be used as side dresser and is sold as such only when so ordered.



Price  
Complete  
\$18.00

**Iron Age (Improved Robbins) Potato Planter.**

Plants all seed automatically but a boy can make the corrections and pays for his time four times over. Plants 100% perfect, every piece of seed,



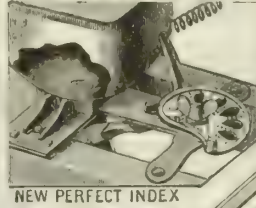
no misses, no doubles, even spacing, perfect placing so seed can't roll, no injury to seed in any way. Your choice of three styles of opening plows. Will plant from four to seven acres per day. Saves its cost in a short time. Nos. 3 and 4 plant especially large cut seed, weighing not less than 4 ounces.

Nos. 1 or 3 with Fertilizer Distributor, and one plow ..... \$80.00  
Nos. 2 or 4 without Fertilizer Distributor and with one plow ..... 70.00  
Three styles of opening plow, each ..... 3.75  
Corn, Bean and Pea attachment ..... 5.00

# IRON AGE

**SPECIAL DELIVERY**

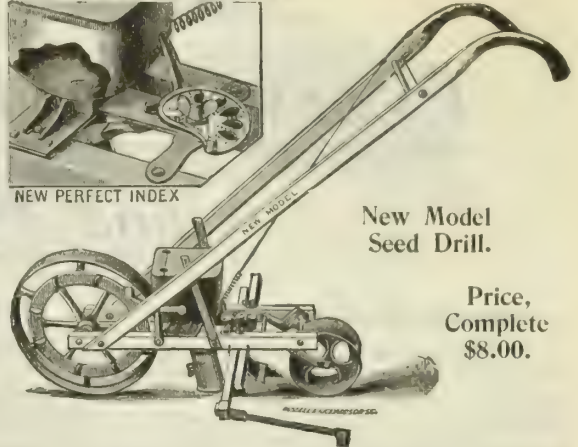
By reason of our central location at Chicago and New York City, and by special arrangement with seedsmen known to us in other large cities, we are prepared to make **QUICK SPECIAL DELIVERY** of both Iron Age, and other gardening tools generally within 2 days from receipt of order, often in one day.



NEW PERFECT INDEX

**New  
Model  
Seed  
Drill.**

Popular with seedsmen and market gardeners.



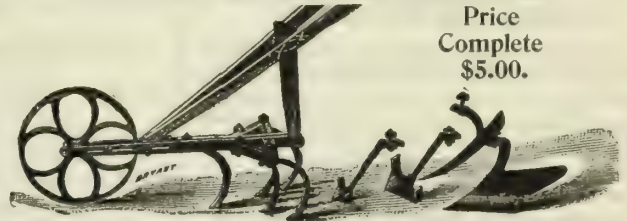
New Model  
Seed Drill.

Price,  
Complete  
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Exact regulation of seed discharge by using an eccentric index or indicator which adjusts the slide for seed opening exactly where you want it. No series of holes which have to be used whether they answer or not. A swinging cut-off stops flow of seed—does not jam with falling seed.

**"Gem" Single Wheel Garden Hoe.**

Price  
Complete  
\$5.00.



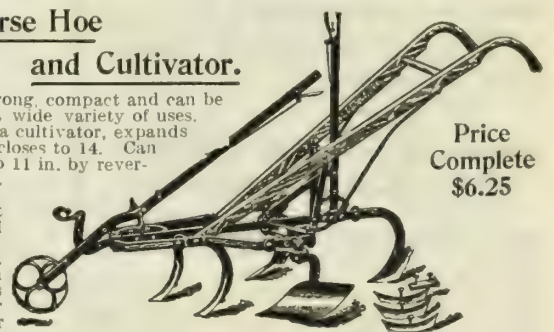
A favorite that has given entire satisfaction. Is built largely of steel and malleable iron. Wheels and handles adjustable for height. Tools held in notches on under side of frame cannot get loose or slip when working. The tools include five slender cultivator teeth, two sizes of cultivator teeth and a pair of plows which can be used separately or together.

**No. 6 Horse Hoe**

**and Cultivator.**

Is light, strong, compact and can be adjusted for a wide variety of uses. When used as a cultivator, expands to 30 in. and closes to 14. Can be narrowed to 11 in. by reversing standards. Has long high steel frame that makes the tool run steady and clear of trash. As shown in the cut has lever expander and lever wheel. Can be furnished with plain wheel, Price \$5.75 or with plain wheel and without lever expander, Price, \$5.00.

Price  
Complete  
\$6.25



**No. 1 Combined Harrow**

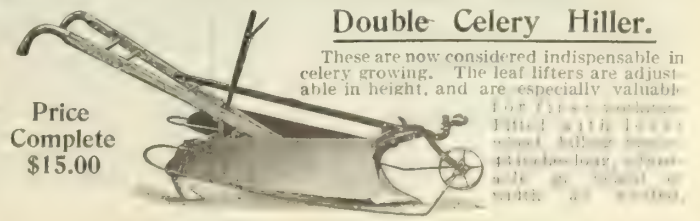
**and Cultivator.**

Price  
Complete  
\$5.00

An all-around, popular, adaptable tool. Is extensively used in cultivating sugar beets. Has diamond-shaped steel teeth with cultivator point forged on one end. They are adjustable for depth and angle. With lever expander, cultivates 34 in. wide and closes to 11. When furnished without wheel, Price, \$4.50.

**Double Celery Hiller.**

Price  
Complete  
\$15.00



These are now considered indispensable in celery growing. The leaf lifters are adjustable in height, and are especially valuable for first and second crops.

For first and second crops, lined with leaves, which will be ready to plant in 4 to 6 days, and will yield a crop of 100,000 per acre.



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We contract each season with reliable breeders whose pens are mated with careful attention to fertility of eggs. We carry no eggs in our stores, but supply fresh-laid stock from the pens after receiving your order. Shipments are carefully inspected and packed and forwarded by express. While we take the greatest care to maintain purity of stock, fresh eggs and careful packing, there are so many risks involved that we can at these prices give no guarantee whatever regarding the results.

No eggs are likely to hatch that are placed under a lousy or unsteady hen, or in an unclean or loosely constructed nest. If eggs are received from a long distance by rail do not set until resting them twenty-four hours.

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Black Minorcas, Rose Comb .....	3 00	5 00	8 00
White Minorcas, Single Comb .....	3 00	5 00	8 00
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: : **VAUGHAN'S INCUBATOR PAGE.** : :



**DIFFUSION**  
**INCUBATORS.**

To those who desire to rear as well as to hatch chicks and ducks, the selection of an incubator is of vital importance. The high death rate experienced with chicks the first ten days is more frequently due to imperfect incubation than to any other cause. Too many incubators of to-day are constructed with reference solely to hatching the desired number without considering the manner in which they are brought into existence.

Weak, anaemic chicks lacking in strength and vitality are of no value if you hatch thousands, hence, the importance of carefully considering the merits of an incubator in this direction before making a selection.

The fact that an incubator is offered to the prospective buyer at a price, which is frequently not over one-half the amount asked by reputable manufacturers who have been in the business very many years, should in itself be sufficient to cause a careful person to stop and consider the why and wherefore of such, it is simply because there is just that **difference in quality**.

Would you not select a machine for hatching that possessed more and greater claims for your preference than merely the price at which one is sold. It is a **Prairie State Incubator** that produces strong **livable**, chicks, a machine which imbraces the most advanced ideas in artificial incubation and so automatic in operation that your constant attention is wholly unnecessary.

The **Prairie State Sand Tray Incubators** have proven themselves by thousands of tests both in the hands of the novice as well as in comparative results obtained by the large poultry plants using different makes of incubators

SEND FOR COMPLETE CATALOG.

**THE EDDY--CURRANT DISTRIBUTOR FOR DIFFUSION INCUBATOR.**

We use the "Eddy-currant" as a vehicle for carrying the hot air to the cold parts of the machine, thus changing it from a detrimental to a beneficent feature. The greater the difference of temperature in the radiator, the more rapid is the induced circulation. We practically secure by means of a gravity circulation the same result that is attained by a mechanical agitator in the radiator.

The ventilating currant in the egg-chamber, does not in any way influence the automatic heat distribution, nor is the heat distribution affected by the width of the opening of the regulator valve.

The distribution of heat is more uniform under greater ranges of temperature than in any other incubator.

The heat is so uniformly distributed that we use a flat tray in the largest machine. The flat-bottom tray conduces to the quickness and ease of turning.

**PRICE LIST OF INCUBATORS**

No. 0.—Diffusion, 100 hen eggs—87 lbs. net weight; 35 lbs. crated.....	\$18 00
No. 1.—Diffusion, 150 hen eggs, 115 duck eggs—108 lbs. net weight; 160 lbs. crated .....	22 50
No. 2.—Diffusion, 240 hen eggs, 200 duck eggs—175 lbs. net weight; 240 lbs. crated.....	32 00
No. 3.—Diffusion, 390 hen eggs, 300 duck eggs—220 lbs. net weight; 275 lbs. crated.....	38 00
No. 2.—Diffusion, 115 hen eggs, capacity—70 lbs. net weight; 95 lbs. crated .....	15 00

**"PRAIRIE STATE"**  
**INCUBATORS**

The enviable reputation gained for these goods has been acquired solely by their efficiency and in accomplishing the desired results in the most approved manner. The successful construction of **Prairie State Incubators** was made possible by actual tests in connection with setting hens and a knowledge gained of the requirements that were necessary to make a machine as effectual as mother hen in hatching strong, **livable chicks**.

**CONSTRUCTION.**—All incubators have double walls properly insulated and require the minimum amount of lamp power to secure desired temperature; gas is also used for heating and easily applied.

**REGULATION.**—The **Prairie State Metal Thermostat** is extremely sensitive and works automatically, maintaining the desired temperature to the fraction of a degree without the constant attention of the operator.

**MOISTURE.**—Is constantly supplied in the most effective manner by the use of the large sand pan and have proven its great value as applied in producing **all the chicks** possible and such as have enough vitality to grow and develop.

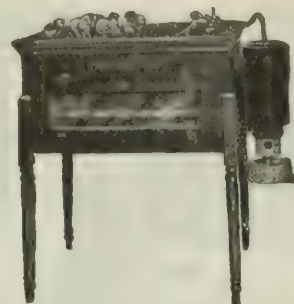
**FIXTURES.**—Everything required is furnished including egg tester, lamp and trays.

**NATURAL INCUBATION.**

Before going into detail with the old hen and her method of hatching, let us say a few words about the factors involved in changing an egg to a chick. The ordinary incubators of to-day can only reproduce the principal elements necessary in artificial incubation, such as heat, air and humidity. There are others, the lack of which account for the difference in the kind of chicks hatched in an incubator and those hatched under a hen.

Here is where we have made a big step forward during the past year. We started out to incorporate these "other factors," and we did, with the result that we have produced a machine which not only has the highest hatching powers of any yet made by us or any one else, but hatches chicks that are **larger, stronger** and a much greater per cent of them live, thrive and mature.

In fact we have hatched chicks time and again that experts declared were never hatched in an incubator because they looked so different and acted so much like those hatched by the hen. If that is not proof that we have the greatest hatcher ever put on the market we don't know what better could be offered. It's the greatest "step ahead" in artificial incubation yet attained, and when you have read how we accomplished such remarkable results you will not be so much surprised. We have simply exemplified nature—that's all.



**INCUBATOR Jr. No. 2**

The No. 2 Junior Incubator is a good low-priced machine. It has the highest hatching power of any machine upon the market, outside of our "Radio-Diffusive" **Prairie State**; in all respects being equal, except it does not have as heavy a case, nor will it operate in a room of as high a temperature. That is, we do not mean to say the machine can not be operated in a warm room, but when operated in a warm room the lamp has to be turned down, whereas the other machine does not.

This machine is for the farmer, the poultryman or those who raise poultry in limited numbers, and owing to their small size, to reduce the care and attention required to the minimum, or the lack of experience in operators, every automatic feature that could be incorporated in an incubator has been used without a multitude of parts; no trap-doors, felts or tubes to bewilder or confuse the user. It comes the nearest to putting in your eggs and taking out your chicks of any incubator with which we are acquainted.

**VALLEY CITY HATCHERY**

GRAND RAPIDS, Mich., Sept. 5, 1909

**Prairie State Incubator Co., Homer City, Pa.:**

Gentlemen:—Have just finished a successful hatching season, and beg to advise you that the **Prairie State Incubators** I installed last spring are "it," and the **very best** I ever operated. Hatches were in every instance beyond expectation, some running as high as 96 per cent, and chicks **100 per cent stronger** than those hatched by non-moisture, so-called, "fire-proof" incubators. They are as represented in your Catalog in every particular, which cannot be said of the many other makes I have operated in my long experience. Everyone to whom I recommended your machines speak in the very highest terms of them, and I look for a large number of sales in this locality for you the coming season.

About January 15th next I shall order four more No. 3 Incubators.

Very truly yours,  
(Signed) D. J. VEREEKE.

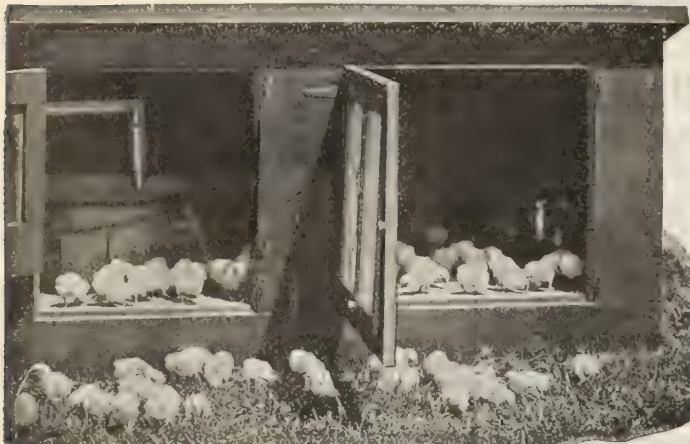


**INCUBATOR REGULATOR.**

The thermostat is of entirely new design, constructed of heavy channel steel with triangular form with channel zinc toggles in the center. It is very powerful and sensitive. The rivets we use in assembling are three-sixteenths of an inch and one-fourth of an inch, respectfully, in diameter, having from ten to twenty times the strength in construction of methods used by other manufacturers in assembling toggle-joint thermostats. The thermostat will not collapse nor break in use, has five times the thrust of the thermostat we have used heretofore and we had no complaints in regard to the efficiency of our former regulators.



## VAUGHAN'S BROODER PAGE.

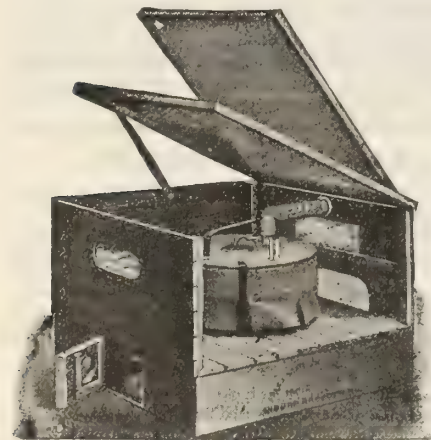


**COMBINATION No. 1 COLONY BROODER.**

"THE POULTRYMAN'S FAVORITE."

The proper device for rearing is just as necessary as a good machine for hatching. For outdoor use, the Combination Colony House Brooders have no equal. Being carefully built, they maintain the desired temperature as well as the best ventilation under all the varying conditions of weather. Zero weather has no ill effects and you can rest assured that your chicks are safe and comfortable either with a rain, hail or snow storm raging outdoors. Large and convenient, they are all one could desire; the sanitary conditions are easily maintained because of the plan of construction.

### NO. 5 INDOOR BROODER



Indoor Brooder No. 5 is the most convenient brooder ever constructed, being easy to clean and operate. Every part is accessible and removable. The removable upper case used on this brooder overcomes the most serious objection to indoor brooders, as with it, it is possible to suit any plan of building, as the chick exit door and the lamp door can be fixed to suit any arrangement of doors or windows. The arrangement of the case with its muslin lid, gives perfect ventilation without draughts and the hover permits three gradual changes of temperature

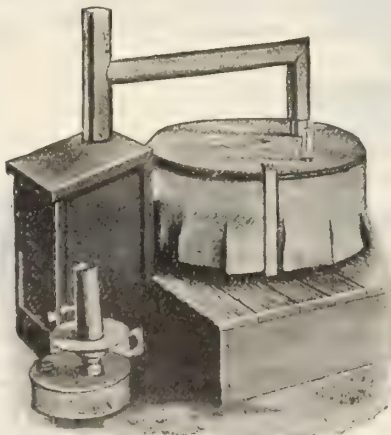
before the chick gets outside, preventing chills and sudden changes and hardening the chicks for out of doors.

### PRAIRIE STATE UNIVERSAL HOVERS.

This device is what we use in all of our popular colony brooders. On account of its adaptability to so many varying conditions and the fact that it furnishes the heat needed in all kinds of weather makes it valuable to everybody.

The hover can be used in any style of box, brooder or colony house, having two feet square or more of space—requires no cutting of floors, furnishes a top heat and does not weaken your chicks with the bottom heat. After the chicks do not require artificial heat, the hover may be removed to another box or house, and roosts placed in house No. 1 for use of the first chicks produced.

It is practical, successful and economical.



### PRICE OF UNIVERSAL HOVERS.

Hover, with lamp case, smoke conductor' lamp and thermometer.....	\$7 00
When used indoors alone, lamp case is not required.	
Hover and lamp with smoke pipes.....	\$6 00
With regulator attached, \$1.00 extra.	



**No. 2 COLONY BROODER.**

The sides and floor of this outdoor brooder are made of tongued and grooved chestnut or poplar boards one inch in thickness. The roof of one-half inch boards, with dead air space and heavy strawboard insulator, all of which is covered with the best quality of roofing tin, carefully fastened with nails and covered with several coats of best grade anti-rust paint. The whole roof being hinged, may be easily removed to reach the interior.

Size—The brooder is 60 inches long, 30 inches wide, 20 inches high in rear and 30 inches high in front.

The interior is divided into two large compartments by a movable wooden partition—the nursery room and sun parlor, or exercising room; the floor throughout being on a level, and 8 inches from the ground.

Between the nursery and exercising room is an opening 18 inches wide, with a wooden door, hinged to open and close at will, so when desired the chicks may be confined in either apartment. With the wooden door opened, the space is covered with a heavy felt curtain, slitted to permit easy passage of the chicks back and forth.

Two glass doors, 26x14 inches, furnish access to the chicks confined. A movable door below the glass door brings each opening level with the floor and permits easy cleaning of each apartment. The brooder is particularly economical in use of oil.

### No. 3 COLONY BROODER.



This brooder is constructed on the same general plan and lines as the larger Colony Houses and has proven equally satisfactory in practical use. We believe it is the best brooder that has ever been offered to poultry raisers for the money.

It is constructed of tongued and grooved chestnut and poplar boards one inch thick, with the exception of the roof, which is made of one-half inch lumber covered with paper insulation and dead air space between, the whole roof being covered with the best roofing tin and well painted.

Dimensions of this brooder are 4 feet long and 27 inches wide; rear 19 inches high and 28 inches in front.

### PRICES OF COMBINATION COLONY BROODERS.

No. 1.—(Outdoor) Floor space 36x72 inches—weight, crated, 300 lbs.....	\$20 00
No. 2.—(Outdoor) Floor space 30x60 inches—weight, crated, 208 lbs.....	16 00
No. 3.—(Outdoor) Floor space 27x48 inches—weight, crated, 150 lbs.....	12 00
No. 5.—(Indoor) Floor space 36x36 inches—weight, crated, 100 lbs.....	12 00

Heat regulator attached to any of the above brooders \$1.00 extra.

SEND FOR COMPLETE CATALOG.

**WAWBEEK POULTRY FARM**

KILBOURN, Wis., Aug. 10, 1909.

Prairie State Incubator Co., Homer City, Pa.:

Dear Sirs:—I take pleasure in recommending the Prairie State Universal Hovers. I have been well satisfied with them as long as I have used them. We have had 15 machines in operation at one time. Have tried hot water heat in a 100-foot brooder house, and feel ready almost to fall back on lamps and universal hovers. Of course, every brooder has its defects, but the Universal Hover comes nearest to the best that I have seen. Yours truly,  
(Signed) WALTER B. LYON.



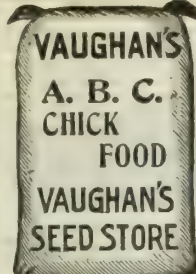
## Vaughan's Chick Food.

This contains all that is necessary for chickens until they are four or five months old, except water (skimmed sweet milk is best) to drink, and clean fresh grass or green feed. With proper care and attention to their surroundings this Food will raise every chick. Never feed more than they will eat up clean and make them hunt or scratch for most of it. Turn food out and mix well together, as grit and small seeds settle to the bottom of packages GRADES.

- A—For chicks up to 4 weeks old.  
B—For chicks 4 to 8 weeks old.  
C—For chicks 8 weeks to 4 months old.

NET PRICES.

100-lb. bags .....	\$2.50
50-lb. bags .....	1 50
25-lb. bags .....	1 00
5-lb. carton .....	25



Chicks grow strong and healthy if fed with Vaughan's Chick Food

## Vaughan's "Wonder" Turkey Feed.

This preparation is a complete Turkey food fit to be fed from infancy to maturity. It gives the delicious morsel in the most economical manner. Its results are astonishing. This is a long-looked-for food as we all know young turkeys are delicate birds and therefore must have more care than chickens. One half the loss is caused by bad feeding. The results are noticeable from the time you start feeding this.

100 lbs .....	\$2 50	25 lbs .....	\$0 75
50 lbs .....	1 25	5 lbs .....	25

### VAUGHAN'S CEREAL

### MIDDAY MASH—For Young Chicks.

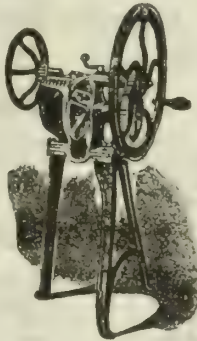
A good mash for young chicks is quite essential to their good health, and the difficulty hitherto existing in feeding mashes to young chicks was the liability of bowel trouble and danger of catching cold, etc. This has been overcome in our Vaughan's Cereal Mash. It is a thoroughly cooked, predigested food, and can be fed to chicks with the assurance of seeing a marked improvement right from the start. It is prepared by the simple addition of skimmed milk or warm water.

Price per 5-lb. package .....	\$0 20	Price per 50-lb. bag .....	\$1 25
Price per 25-lb. bag .....	80	Price per 100-lb. bag .....	2 50

## BONE CUTTERS.

### THE HUMPHREY BONE MILL.

The Hopper is an open bowl tapering from top to bottom and closed on one side by the revolving head casting carrying 4 cutting knives, and on the other by the pivoted wing. The cutting head consists of a disk nine inches diameter with four slots radiating at right angles from a common center, with heavy braces in the back to insure strength, and with recesses in the face in which the knives are placed even with surface of the plate. The power is applied by the double leverage secured by having the turning handle at the outer edge or rim of a large fly wheel, the axle of which is a small cog wheel which engages with a larger wheel, to which cutting knives are attached, thus securing a great force with the smallest possible expenditure of energy.



NO. 1 HUMPHREY.

The No. 2 Humphrey in appearance is the same as No. 1, but is made from heavier patterns and supplied with a pulley wheel made to run by power.

No. 1. Hand Power .....	\$12 00
No. 2. Power only .....	13 50
No. 2½. Hand and Power .....	15 00

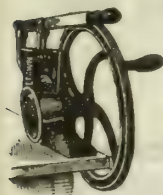
### MANN BONE CUTTERS.

No. 5B. For bench use. Price, \$8.00.

No. 7 is intended for a flock of 50 to 100 hens. Weight, 107 pounds. Price, \$12.00.

Mann's No. 9. The description of No. 7 will apply to this machine. The difference consists in larger cylinder, greater holding capacity, different design and larger table. Weight, 163 pounds. Price, \$18.40.

### CROWN BONE CUTTER.



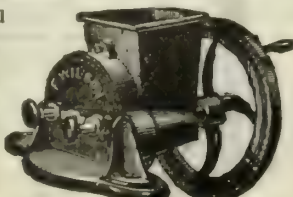
This machine cuts meat or bone equally well. It has steel knives which can easily be taken out, sharpened and replaced. The cutter is always ready, quickly cleaned, turns easily and cuts fast. The material to be cut is in hopper and pressed down with a lever which requires very little pressure by the operator. It is furnished with stand complete, or can be fastened to a bench instead.

PRICES.	
Weight, with stand, 80 lbs.	Price..... \$8 00
Weight, without stand, 50 lbs.	Price..... 6 00

### WILSON DRY BONE MILL.

This Mill will grind dry bones, shells, all kinds of grain, gravel, stones and old crockery.

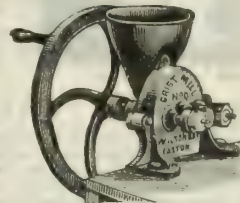
Price, without stand, \$5.00; weight, 33 lbs. Price, with stand, \$7.00; weight, 64 lbs. Diameter of hand wheel, 22 inches.



NO. 1 DRY BONE, SHELL AND CORN MILL.

### WILSON No. 0 MILL.

This Mill is especially made for grinding Graham flour or corn-meal for table use. It can also be adjusted for cracking grain if desired. The grinding surfaces are of very hard material, especially made for this purpose, and are ground off perfectly true on emery wheels, and will last for years. The shaft is made of steel and will not bend or break. Diameter of hand wheel, 20 inches; without stand, weight, 30 lbs. Price, \$5.00. With stand, weight, 60 lbs. Price, \$7.00.



NO. 0 FAMILY GRIST MILL.

### Mastin Compressed Air Spraying Machine.



The Mastin Automatic Spraying Machine may be filled to within six inches of the top. A few strokes of the pump will give sufficient force to empty the machine. The pump is provided with an automatic mixing device, which keeps the solution in the tank well stirred up, resulting in a spray carrying the same strength of solution from start to finish. The sealing or locking device securing the pump in the tank is simplicity itself, sealing the machine perfectly, with the minimum of time and labor. The Spray Nozzle is our own patent, and will produce a spray that is truly mist-like. The machine may be suspended from the shoulder by a strap, the pump operated with one hand and the spray nozzle with the other. The Mastin Whitewashing device consists of ten feet of hose, hose-coupling and whitewash nozzle. It is interchangeable with the spray hose and nozzle.

PRICE—3-gallon galvanized steel tank, brass pump and connections, three feet of hose, spray cock, two spray nozzles, shoulder straps, complete..... \$6.50  
Same in brass, complete..... 8.50  
3-foot Hose Extension..... .40  
2-foot Brass Extension Rods..... .35

### AMERICAN PIPE SYSTEM FOUNTAIN.

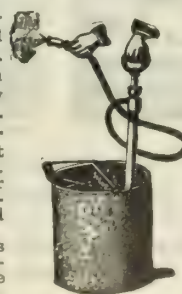


As the cut shows it can easily be arranged in series to supply any number of pens by piping either way. The greatest labor saver known. Will not tip over. Is perfectly sanitary in every respect. Positively automatic in action. It can be cleaned in a minute. The water remains perfectly fresh as it is not confined with foul air as in some other makes. Price, each, \$1.50, 6 for \$8.60, 12 for \$16.90

### MISTO WHITEWASH PUMP.

The Misto Sprayer or Whitewash Machine is constructed entirely of brass throughout. No light or cheap material in it; guaranteed to successfully handle properly mixed whitewash, cold water paint, Bordeaux Mixture or any liquid that can be formed into a spray. For whitewashing, cold water painting, spraying trees, shrubbery, or washing windows and buggies.

Price, including action brass pump, 4 feet of ¾ inch discharge hose, spray nozzle, sieve and 5 gallon tank. Price, \$5.50.



### "JUMBO" INSECT POWDER GUN.

Designed to distribute any fine powder. Very useful in dusting Poultry or blowing into cracks and crevices. Less wasted and easier than sifting from can.

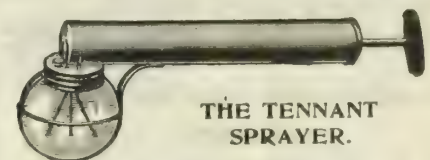


Price at Store, 25c; postpaid, 30c.

### SUCCESS WHITEWASH AND SPRAY PUMP.

This spray pump is a most excellent one for use in gardens, greenhouses, orchards, washing windows and buggies, also for whitewashing and spraying poultry houses. It is fitted with a Bordeaux nozzle, which is the best combination spraying device, and can be changed from a solid stream to a spray. It is double action and has a large air chamber which throws an absolutely continuous stream solid or in fine spray. We consider it one of the best pumps made for the money.

Price, complete.....\$4.50



THE TENNANT SPRAYER.

The receptacle is a new and special design of extra heavy glass, well protected with a spring steel lantern wire guard. Holds about a quart of liquid; easily filled and washed out; contents always in sight. Pint or quart Mason fruit jar may be screwed in the can if desired.

Large size, 75c. Medium size, 60c. Small size, 40c.

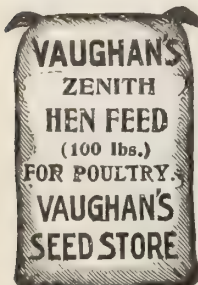
### THE HUMPHREY CLOVER CUTTER.



clover cutter on the market. Price, \$10.00.

A heavy well finished machine to cut clover and alfalfa hay into pieces one-eighth inch and less. By the ingenious use of plates and screens all long stems are passed back to the cutters to be recut, so that the product is of even length and of a size that makes it the best prepared green food given to poultry. Forty cuts of the knife for each revolution of the hand wheel makes speedy work of clover cutting, and the heavy balance wheel makes easy work for the operator. The bed knife is double edged, giving double the wear of any



**Vaughan's  
ZENITH****HEN  
FEED**

**Vaughan's Zenith** Hen Feed is different from nearly every hen food on the market. It contains no grit, no shell or other weight-making ingredients. Every ounce of "Zenith Feed" is an ounce of pure grain.

**Vaughan's Zenith Hen Feed** is a very superior mixed food, which meets all the requirements of maturing chicks and laying hens. The feed is composed of only sound, sweet grain, as we never, under any condition, allow any damaged grain to get into this food. The mixture is made carefully and scientifically.

We believe this Feed to be the cleanest and best balanced ration on the market to-day. Not only do we use great care in choosing the grain to be used, but after the thorough mixing, we thoroughly clean from all dust and too finely-ground particles by means of our electric dusting apparatus. We thus insure our customers a food that has a minimum of waste.

Because **Zenith** is an all-grain mixture, it is advisable in feeding to supply, in addition, Grit, Bone, Meat Meal, Charcoal and Green Food. If fed in a litter of cut clover or hay, scratching is necessary and is an extremely beneficial exercise for the poultry.

100 lbs.....	\$2 35	25 lbs.....	.75c
50 lbs.....	1 25	10 lbs.....	.35c
		5 lbs.....	20c

**HULLED OATS**

Hulled Oats are excellent for feeding young poultry, especially ducks and young turkeys. They are far superior to wheat, corn, rye and other grains, being easily assimilated, and contain more bone and muscle making properties than other grains.

100 lbs.....	\$3.00	25 lbs.....	\$1.25
50 lbs.....	1.75	5 lbs.....	.25

**VAUGHAN'S GROUND BEEF  
SCRAPS.****Or Prepared Meat for Poultry.**

This is the finest thing we know of to cause hens to lay during the winter. Feed 3 times a week at the rate of 1 oz. to each fowl, mixed with the daily mash.

As high prices for Eggs prevail at this season of the year it makes very profitable feeding.

100 lbs.....	\$2.75	25 lbs.....	.80
50 lbs.....	1.50	5 lbs.....	.25

**VAUGHAN'S MEAT MEAL.**

Our Meat Meal is a fine, clean preparation manufactured from Beef's Blood and meat scrap; carefully treated under steam pressure, resulting in a valuable commercial product rich in protein, nitrogen, bone phosphate and albumen for growing chicks and laying hens. It is not a refuse or gleanings from fertilizer works, but a pure, wholesome, profitable food for poultry.

100 lbs.....	\$2.50	25 lbs.....	\$.075
50 lbs.....	1.35	5 lbs.....	.25

**VAUGHAN'S RED ALBUMEN.**

Per lb.....	35c	By mail postpaid.....	45c
5 lbs. by express.....	\$1.50	11 lbs. by express.....	\$2.85
100-lb bag, f. o. b. Chicago.....			23.00

**MIDLAND POULTRY FOOD**

Midland Poultry Foods are well known and proven foods of highest merit. These foods are complete and ready to feed, not requiring any accessories. Being grain foods, these prices throughout the season depend greatly upon the markets, and are, therefore, subject to change without notice. The foods are put up in two-bushel sacks, each sack full measure. The weight per bushel of the different brands varies slightly.



- 1-Nursery Chick Food.
- 2-Growing Chick Food.
- 3-Egg and Feather Producing Food.

Price of any of the above three brands:

1/2-Bushel bags.....	\$0 40
1-Bushel bags.....	75
2-Bushel bags.....	1 25
5-Sack Lots, per sack.....	2 15

**VAUGHAN'S MEAT AND BONE.**

This is a special preparation containing all the elements of our meat meal with the addition of fine ground bone, for the purpose of furnishing more lime to laying hens and producing a food of great strength and growing properties for maturing stock.

100 lbs.....	\$2.25	25 lbs.....	.75c
50 lbs.....	1.25	5 lbs.....	.25c

**CUT CLOVER HAY.**

**Vaughan's Second Growth Cut Clover Hay** is the very best the market affords and is the standard green food for winter egg production. Clover hay contains over twenty times more lime (for the shells) than does any kind of grain, and nearly as much solid matter as corn, hence it is a concentrated food and highly nourishing. It may be fed mixed with a soft mash or placed in a trough or scattered on clean boards. The fowls will pick it to pieces, eating all of it, including the stems. Cut clover makes a very fine litter for brooders, especially for newly hatched chicks. It is healthy, giving invigorating and lasting benefit.

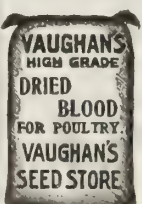
100 lbs.....	\$2.25	25 lbs.....	.75c
50 lbs.....	1.25	10 lbs.....	.40c

**ALFALFA CLOVER MEAL.**

By the use of new and improved machinery we are now enabled to offer to our poultry patrons the best and finest clover meal yet produced. Every part of the clover stalk, leaf and blossom is ground together so that the fowl gets all the substance and material entering into this great food product which comes nearest to a natural perfect balanced ration of any grain or vegetable obtainable. This meal readily mixes with any kind of mash or ground feed and

can be fed to young chicks as well as older birds. It adds greatly to the luster and plumage of poultry and keeps them healthy and vigorous all winter when green feed is scarce and not easily supplied.

100 lbs.....	\$2.25	25 lbs.....	.75c
50 lbs.....	1.25	10 lbs.....	.40c

**DRIED BLOOD MEAL.**

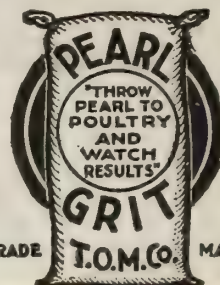
This is a highly concentrated form of animal food, rich in albumen and egg-forming materials. Do not think it is expensive because price is higher per weight than other animal foods, as much less is required. It is odorless and contains only pure blood, which makes it the cheapest animal egg food on the market today.

100 lb. bags, each.....	\$3.40
50 lb. bags, each.....	1.75
25 lb. bags, each.....	.90
5 lb. cartons, each.....	.25

**GROUND RED PEPPER.**

Mix this with Red Albumen for a worm feed.  
Per lb..... 35c

Prices on Poultry Supplies are F. O. B. Chicago, where we carry our stock.

**VAUGHAN'S COMPLETE  
PEARL GRIT.****The Proper Feed for Fowls.**

To get the best results they must be made strong, healthy and prolific. They need shell-forming, feather-strengthening materials that will invigorate the system and develop their laying qualities. Pearl Grit is a grit and shell-maker combined. Guaranteed to contain all essential properties of both grit and shell.

**PRICE:**

100 lbs.....	.70c	25 lbs.....	.25c
50 lbs.....	.45c	5 lbs.....	.10

**CRUSHED OYSTER SHELLS.**

100 lbs.....	.75c	25 lbs.....	.25c
50 lbs.....	.50c	5 lbs.....	.10c

**GROUND BONE.**

Course Ground for large poultry and Granulated for young chicks and pigeons.

200 lbs.....	\$4.75	25 lbs.....	.75c
100 lbs.....	2.50	5 lbs.....	.25c
50 lbs.....	1.50		

**CHARCOAL.**

Coarse Ground for large poultry and Granulated for young chicks and pigeons.

**PRICES:**

100 lbs.....	\$1.90	10 lbs.....	.50c
25 lbs.....	1.00	1 lb.....	.10c

**PHEASANT'S FOOD.**

Crissal or Prairie Meat is a carefully selected meat preparation for Pheasants and young chickens. It is a substitute for ant eggs and other insects. It contains neither pork, bone or fat of any kind, being nothing but a pure meat product. It is used by all the large Pheasant Breeders of England and America.

100 lbs.....	\$5.00	25 lbs.....	\$1.25
50 lbs.....	2.50	5 lbs.....	.30

**SPRATT'S GAME MEAL.**

This is a complete balanced ration carefully put up for Pheasants and all game fowl.

100 lbs.....	\$5.75	25 lbs.....	\$1.75
50 lbs.....	3.00	5 lbs.....	.40

**CRACKED CORN.**

Valuable for mixing and feeding with other grains.

100 lbs.....	\$2.00	25 lbs.....	.60c
50 lbs.....	1.00	5 lbs.....	.20c

**HARD RED WHEAT FOR  
PIGEONS.**

Extra choice re-cleaned Seed.

**PRICE:**

100 lbs.....	\$2.75	5 lbs.....	.25c
25 lbs.....	.85		

**TARES OR VETCHES.**

Used extensively for feeding pigeons.

**PRICE:**

100 lbs.....	\$5.25	5 lbs.....	.40c
25 lbs.....	1.60		

**"YANKEE" CORN.**

This is a small kernel flint corn extensively used in conditioning show birds and especially for Games. Our stock is selected with great care and we offer it very low. Prices are subject to market changes.

**PRICE:**

100 lbs.....	\$2.50
50 lbs.....	1.50
25 lbs.....	.90
10 lbs.....	.45
5 lbs.....	.25





## VAUGHAN'S ZENITH CONDITION POWDER.



As the name implies it stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of egg production, it stands to reason that a condition powder given at intervals of 2 or 3 days apart is a great benefit to keep the fowls in the pink of condition and enables them to bear up under the egg-forcing process.

15 oz. box .....15c 2 1/2 lbs. box ..... 25c

Full directions for feeding on each package.



## PRATT'S POULTRY FOOD.

A guaranteed egg producer. Purely vegetable. Highly concentrated. Absolutely pure. Coupons for pictures of all standard bred fowls and directions for feeding in every package.

25 ounce packages, each.....\$0.25  
25 ounce packages, per dozen..... 2.50  
5 pound packages, each..... .60

## PRUSSIAN POULTRY FOOD.

Prussian Poultry Food is the cheapest on the market. A 25-cent package makes 750 feeds and at the average price of eggs throughout the country, two dozen of eggs will pay for one package. We guarantee that by a prudent use of Prussian Poultry Food the production of eggs will be increased.  
Sold in 25-cent and 50-cent packages.

## LEE'S EGG MAKER AND CHICK GROWER.

A highly concentrated food for poultry. Contains no irritant or stimulant. Is designed for a definite purpose—to supply food elements that chicks and fowls can obtain only by free range in summer.  
Price, per package..... 25c

## VAUGHAN'S POULTRY CURE.

Price, each..... 25c

## French Poultry Killing Knife



Every poultry-raiser should have one of our Killing Knives. They are made of finely tempered instrument steel, with nicked handle; will last a lifetime. Don't wait. Send for one now. Sent securely packed, by mail, on receipt of price.

60c postpaid; at store, 50c.

## PHILADELPHIA POULTRY MARKER.



There is no better or quicker way than by this marker, as over two hundred different marks can be made by punching web between toes; for instance, between the first and second toe of the right foot can mean Wyandotte or Plymouth Rock, between the second and third toe, White Leghorns or Langshans, so that hundreds of private marks can be made.  
Size No. 1, 3/4 in. in diameter, each.....27c  
Size No. 2, 1 1/4 in. in diameter, each.....27c  
Sent postpaid on receipt of price.

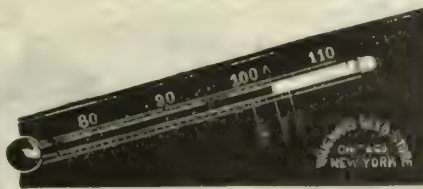
## SPRING LEVER POULTRY PUNCH.



The best and most satisfactory punch yet produced. It is self-opening, perfectly aligned, absolutely accurate, handsomely finished, carefully tested and exceedingly cheap. Spring lever.

Price postpaid, each ..... 27c

## THERMOMETERS.



There is no point in the use of an Incubator or brooder more important than to maintain the correct degree of heat and the best incubator made is worthless without an accurate thermometer. Cheap thermometers are unreliable. Good ones are economical. Especially is this true in incubator use. All thermometers listed here are thoroughly seasoned, tested and guaranteed by the manufacturer.

## CERTIFIED THERMOMETER.

Vaughan's Certified Thermometer, highly sensitive. Each one is thoroughly tested before leaving factory. For incubators only.

Price, each.....\$1.00  
By mail at purchaser's risk..... 1.10

## PRAIRIE STATE THERMOMETERS.

These thermometers are especially adapted to the Prairie State incubators and brooders and should invariably be used with these machines. These thermometers are well made, thoroughly tested and fully guaranteed. These tubes are seasoned for two years before used.

Brooder Thermometer for hover, by mail.....\$0.60  
Brooder Thermometer for hover, at store..... .50  
Reclining Thermometer, by mail..... .70  
Reclining Thermometer, at store..... .85

## CAPONIZING SET.



Poultrymen can double their profits by Caponizing their chicks. The operation is very simple—the instructions are so full and explicit that any man, woman or child after a careful reading will be able to perform the operation. It is highly successful from every point of view. The demand for Capons far exceeds the supply, the price per pound being twice as much as for ordinary chicks. The object of Caponizing is to largely increase the weight of fowl, causing them in many cases to grow as large as turkeys and weighing from 10 to 15 pounds; and to make the meat a finer flavor and very juicy and tender.  
Complete with instructions.....\$2.50

We send the book—"Complete Guide for Caponizing" with every set.

## PRAIRIE STATE EGG TESTER.



One of these testers is given free with every Prairie State Incubator sold. It fits any No. 2 lamp burner and makes a strong, powerful light for the egg so that any person can easily determine the fertility. We sell at the low price of 30 cents each. By mail, 35 cents.

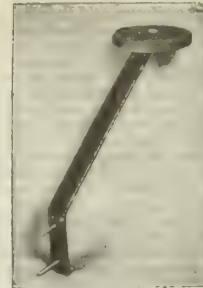
## VAUGHAN'S ZENITH HEN FOOD

The Most Economical Feed for Poultrymen.

The quality of our Hen Food cannot be surpassed. Always the same quality—the best.

Price per 100 lbs., \$2.35

## PIGEON SUPPLIES.



## MUIR'S BOSS PERCH.

A good perch made of seasoned hard wood and has no sharp corners, easily put up; keeps the birds clean, prevents fighting in the loft.  
Each..... .08  
Price per dozen.....\$0.75  
Price per 100..... 6.75

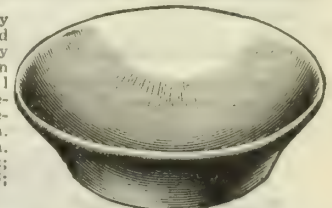
## THE JERSEY PERCH.

Made of seasoned maple and coppered steel wire in two sizes. It has no staples or nails, screws into the woodwork of the loft without the aid of any tool. Can be placed anywhere in the loft and taken down without breaking. It does not leave an unsightly mark when removed.  
Each.....6c  
Dozen.....65c

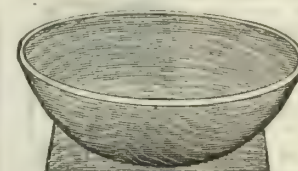


## VAUGHAN'S CLAY PIGEON NESTS.

Made of very high grade and valuable clay terra cotta in color, well formed in design and superior in finish. Diameter 8 in.  
Each, 15c;  
doz., \$1.25;  
100, \$9.00.



## VAUGHAN'S WOODEN PIGEON NESTS.

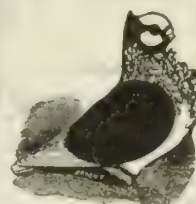


Made out of hard maple. Regular size, diameter 8 inches. Can be fastened to wall if desired. These nests are preferred by many pigeon fanciers to the earthenware ones on account of

their smooth finish which makes it hard for dirt to accumulate and easy to clean them.

Price, each..... 10c Dozen.....\$1.10

## VAUGHAN'S PIGEON FOOD.



A scientifically prepared Balanced Ration Food. Especially adapted to the growth of young pigeons and squabs. It makes the best general feed for all kinds of Fancy and domestic Pigeons. Keeps the birds healthy and develops shape, style and plumage to a remarkable degree. As a foundation food it has no equal.

Put up in the following packages.

5-lb. cartons.....\$0.25 50-lb. sacks..... \$1.50  
25-lb. sacks..... 1.00 100-lb. sacks..... 2.50

## VAUGHAN'S SALT CAT.

An aromatic nutritive and tonic combination for Homing and Fancy Pigeons, Game Fowls, Pheasants, Turkeys, etc., etc.

Price per package.....15c

## FOUST'S HEALTH GRIT.

This grit is not intended to take the place of digesting grits. It is, as the name implies, recommended as a health grit for pigeons and contains ingredients that form bone and muscle, and acts as an all around condition powder. Its action is noticeable from the day you start using it.

100 lbs.....\$2.10 25 lbs......75c  
50 lbs..... 1.25 5 lbs..... 25c

## PIGEON BANDS.



Seamless and open Aluminum Bands. Made in three sizes, as follows:

Prices of Open Aluminum Bands  
Plain or Numbered Only, all sizes, per dozen, 20c  
per 25, 35c; per 50, 60c; per 100, \$1.00

Prices on Seamless Aluminum Bands  
With Year and No. or plain: per dozen, 25c; per 100, \$1.90.

With Year and Initials, to order: Per dozen, 25c  
per 100, \$1.00.



**VAUGHAN'S LIQUID LICE KILLER.**

Probably no one cause, or even many causes combined, has discouraged and ruined more poultry raisers than lice. They are several varieties and they find refuge in every nook, crack and corner of coops, houses and buildings where poultry is kept. They inhabit the nests, cover young chicks as soon as hatched, stop hens laying and make sad havoc everywhere if not checked. There are in fact few flocks free from these blood sucking pests which kill more fowls and young chicks than any other cause. Vaughan's Liquid Lice Killer successfully exterminates all kinds of lice that infest poultry, and turns a flock of droopy, dejected, profitless fowls into a happy, vigorous, money making colony. It is worth many times its cost, contains no harmful ingredients to either fowls or persons, but is sure death to all kinds of vermin. It is easy of application. Will furnish immediate relief. No trouble to follow directions which are given upon every package.

1 gal. size ..... 75c  
1 qt. size ..... 50c  
1 quart size ..... 35c

**CONKEY'S LIQUID LICE-KILLER**

One of the best on the market.  
Sure exterminator.

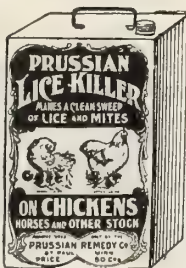
1-quart size ..... 35c 2-quart size ..... 60c

**PRUSSIAN LICE KILLER.**

The effects of lice, fleas, etc., are that fowls cease to gain flesh, become poor and scrawny, get rough plumage, and scabby skins, cease to lay, sometimes desert their young and their homes, and if attacked by serious disease are likely to die.

The remedy for lice and other surface parasites are simple, easily applied, and sure in effect. Paint the perches and also the drop boards with Lice Killer.

1 Gallon cans ..... \$1.00  
1/2 ..... 50  
1 Quart ..... 35



**VAUGHAN'S  
LICE POWDER.**  
**THE BEST ON THE MARKET.**

Those who try one package  
will use no other.

Removes that itchy feeling.  
Three Sizes.

5-oz. package ..... 10c  
16-oz. package ..... 25c  
48-oz. package ..... 50c  
100-oz. package ..... \$1.00

**LAMBERT'S DEATH TO LICE.**

This well-known disinfectant will rid your fowls of all vermin. It is cheap and effectual. The poultry, man, with this powder and a supply of whitewash need not fear that his flock will be bothered with lice. 15-oz. box, 25c; 48-oz. package, 50c; 100-oz. package, \$1.00. Add 1c per ounce to pay postage if sent by mail.

**LIGHTNING LICE KILLING MACHINE.**

To kill lice on poultry with the Lightning Lice Killing Machine is simple and easy. The better way is to take the machine into the pen where the fowls are roosting. They are more easily handled and you will not get those cleaned mixed up with those that are not cleaned. You can go to the poultry house any evening and clean 150 to 200 fowls in an hour or two.

A half pound can of Lightning Lice Killing Powder is given free with every machine sold. The machines are made in three sizes, as follows

No. 1 Machine ..... 10 lbs. 9 1/2 in. 18 in. \$2.00  
No. 2 Machine ..... 15 lbs. 12 in. 30 in. 3.00  
No. 3 Machine ..... 20 lbs. 20 in. 30 in. 4.00

**LIGHTNING LICE POWDER.**

1/2 lb. tin ..... 25c  
1 lb. tin ..... 50c

**VAUGHAN'S LIQUID DISINFECTANT.**

As a general disinfectant and cleaner stands without an equal. Infallible destroyer of all vermin and disease germs. Certain eradicator of insects and diseases of all animals. Kills Cockroaches, Water Bugs, Ants, Etc.

Pint ..... 25c  
Quart ..... 40c  
1/2 gal. ..... 75c

**CONKEY'S HEAD LICE OINTMENT.**

This Ointment kills head lice on young chickens.

Cures scaly legs.

1 oz. .... 10c 3 oz. .... 25c

**VAUGHAN'S ZENITH FLY KNOCKER.**

A sure and effective remedy against flies and mosquitos; also lice, screw worms and horn and blow flies.

It kills lice when applied to horses, cows and other animals.

It prevents inflammation and fly-blows and causes wounds to heal quickly.

It keeps flies out of stables. It makes stock fatten better.

It is considered the best remedy in use for cuts, scratches, burns, scalds, flesh wounds, old sores, etc.

It keeps flies away and kills maggots where sores are infected with them and heals quickly.

Price, quart size, 50c.; 1/2 gallon 75c.; 1 gallon \$1.25

**ROUP CURES.****VAUGHAN'S GOOD HEALTH FOR POULTRY.**

A positive cure and preventive for colds, sore mouth and canker, sore eyes, sore breast, back or shoulders, cracked heels, trush, wounds, cuts, sores, saddle galls and roup.

Price Large bottle ..... \$0.50  
Small ..... 25

**Vaughan's Magic Liquid Roup and Cholera Cure.**

Every poultry raiser should have a can of it; not wait until the roup makes its appearance. It will be found

**A Good Preventative**

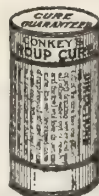
if a small quantity is put in drinking water.

1/2 pint can ..... 25c  
1 pint can ..... 50c

**CONKEY'S ROUP CURE.**

Will positively cure roup in all its forms. It is simply put in drinking water and the chicken takes its own medicine. It prevents colds and is unequalled for canker, especially in pigeons. One 50-cent package makes 25 gallons of medicine.

Small package, by mail, prepaid, \$0.50  
Large package, by mail, prepaid, 1.00

**VAUGHAN'S ZENITH ROUP CURE.**

Our Roup Cure is a positive and dependable remedy for this dreaded disease in all its forms and stages. It also prevents and cures colds and canker in poultry and pigeons. It is administered by dissolving it in the drinking water of the fowls, as per printed instructions, which accompany each package. Large size, each, \$1.00 Small size, each, 50c

**VAUGHAN'S ZENITH ROUP PILLS.****A RELIABLE REMEDY.**

The most effective Roup Pills on the market.

Small box (50 pills) ..... \$0.50  
Large box (120 pills) ..... 1.00

**Imperial Remedies for Sick Pigeons.**

The cheapest, most convenient and reliable remedies on the market. No other remedies are so effectual:

- A2—For Epilepsy, Dizziness, etc.
- A5—For Feather Troubles and Moulting.
- A6—Cures Roup.
- F—Cures Cholera.
- I—Cures Diarrhoea.
- M—Cures Canker.
- O—Cures Colds.

Price, 35c per box. Three boxes, assorted if desired, for \$1.00 by mail.

**COMPOUND SPONGIA TABLETS.**

Prepared especially for the prevention and cure of Roup, Colds, etc. Price by mail, postpaid, 35c per box, or three boxes for \$1.00.

**LEE'S GERMOZONE.**

A cure for all diseases of the head, throat or bowels. Is easily administered. It not only cures but if given in time will prevent all those diseases so common among Poultry. In liquid or powder form. Price ..... 50c

**Old Grist Mill Puppy Cakes**

Price per carton ..... 25c

**Spratt's Dog Bread**

Price per carton ..... 25c

**Conkey's Lice Powder**

Price, 14-oz. carton ..... 15c

**Conkey's Poultry Tonic**

Price, per can ..... 25c

**THE EYRIE EGG BOX.**

Strength—The box is so firmly braced by the Corrugated Partitions that it stands a weight of 1,000 lbs.

Handle—Prevents the putting of anything on top of box.

The Lock—The insertion of the handle automatically locks the box. It cannot be tampered with in transit.

Dead Air Cells—The eggs are completely surrounded by Double-Faced Corrugated Paper, which provides a dead air-space, effectually preventing their chilling in the coldest weather.

Saving of Time—You can pack twenty of these boxes in the time it takes to pack one basket.

15-Egg Size. 30-Egg Size.  
Each ..... \$0.15 ..... \$0.20  
1 doz ..... 1.25 per doz ..... 1.90 per doz.  
10 doz ..... 1.10 per doz ..... 1.70 per doz.

**AMERICAN SANITARY FOUNTAIN.**

The greatest labor-saver known. Is filled at the top; will not tip over or drown the chicks. Is perfectly sanitary in every respect. Positively automatic in action. It can be cleaned in a minute. All parts are made from the very best galvanized iron, and will last a lifetime. For either poultry or pigeons. Water remains perfectly fresh, as it is not confined with foul air, as in other makes. In fact, it is the BLUE RIBBON Fountain. It leads them all.

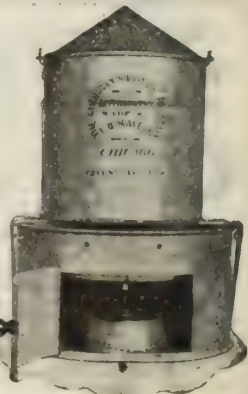
Prices—3-qt., 75c; 6-qt., \$1.00; 8-qt., \$1.25.

**THE AMERICAN WATER-HEATER.**

This cut shows the American Drinking Fountain placed over the base of the heater. Beneath the fountain is a small lamp, in which can be used kerosene or alcohol. This lamp will hold sufficient oil to burn 24 hours. By the use of this heater it does away with frozen fountains, which cause so much trouble every morning. This heater is made in three sizes to suit the American Fountain.

Price.

No. 1 ..... \$0.75  
No. 2 ..... 1.00  
No. 3 ..... 1.25





## LEG BANDS AND DRINKING FOUNTAINS.

### CLIMAX LEG BANDS.



These bands have been on the market for years and have proved a most satisfactory device for marking poultry. They are especially desired for marking birds with feathered legs, and are neat, simple and easy to put on, and absolutely secure if properly applied. Rings are made of spring brass and tags of aluminum.

Sizes: No. 1, 1/2 in. No. 2, 3/4 in. No. 3, 1 in. No. 4, 1 1/4 in. No. 5, 1 1/2 in. No. 6, 1 3/4 in. No. 7, 2 in. No. 8, 2 1/4 in. No. 9, 2 1/2 in. No. 10, 2 3/4 in. No. 11, 3 in. No. 12, 3 1/4 in. No. 13, 3 1/2 in. No. 14, 3 3/4 in. No. 15, 4 in. No. 16, 4 1/4 in. No. 17, 4 1/2 in. No. 18, 4 3/4 in. No. 19, 5 in. No. 20, 5 1/4 in. No. 21, 5 1/2 in. No. 22, 5 3/4 in. No. 23, 6 in. No. 24, 6 1/4 in. No. 25, 6 1/2 in. No. 26, 6 3/4 in. No. 27, 7 in. No. 28, 7 1/4 in. No. 29, 7 1/2 in. No. 30, 7 3/4 in. No. 31, 8 in. No. 32, 8 1/4 in. No. 33, 8 1/2 in. No. 34, 8 3/4 in. No. 35, 9 in. No. 36, 9 1/4 in. No. 37, 9 1/2 in. No. 38, 9 3/4 in. No. 39, 10 in. No. 40, 10 1/4 in. No. 41, 10 1/2 in. No. 42, 10 3/4 in. No. 43, 11 in. No. 44, 11 1/4 in. No. 45, 11 1/2 in. No. 46, 11 3/4 in. No. 47, 12 in. No. 48, 12 1/4 in. No. 49, 12 1/2 in. No. 50, 12 3/4 in. No. 51, 13 in. No. 52, 13 1/4 in. No. 53, 13 1/2 in. No. 54, 13 3/4 in. No. 55, 14 in. No. 56, 14 1/4 in. No. 57, 14 1/2 in. No. 58, 14 3/4 in. No. 59, 15 in. No. 60, 15 1/4 in. No. 61, 15 1/2 in. No. 62, 15 3/4 in. No. 63, 16 in. No. 64, 16 1/4 in. No. 65, 16 1/2 in. No. 66, 16 3/4 in. No. 67, 17 in. No. 68, 17 1/4 in. No. 69, 17 1/2 in. No. 70, 17 3/4 in. No. 71, 18 in. No. 72, 18 1/4 in. No. 73, 18 1/2 in. No. 74, 18 3/4 in. No. 75, 19 in. No. 76, 19 1/4 in. No. 77, 19 1/2 in. No. 78, 19 3/4 in. No. 79, 20 in. No. 80, 20 1/4 in. No. 81, 20 1/2 in. No. 82, 20 3/4 in. No. 83, 21 in. No. 84, 21 1/4 in. No. 85, 21 1/2 in. No. 86, 21 3/4 in. No. 87, 22 in. No. 88, 22 1/4 in. No. 89, 22 1/2 in. No. 90, 22 3/4 in. No. 91, 23 in. No. 92, 23 1/4 in. No. 93, 23 1/2 in. No. 94, 23 3/4 in. No. 95, 24 in. No. 96, 24 1/4 in. No. 97, 24 1/2 in. No. 98, 24 3/4 in. No. 99, 25 in. No. 100, 25 1/4 in. No. 101, 25 1/2 in. No. 102, 25 3/4 in. No. 103, 26 in. No. 104, 26 1/4 in. No. 105, 26 1/2 in. No. 106, 26 3/4 in. No. 107, 27 in. No. 108, 27 1/4 in. No. 109, 27 1/2 in. No. 110, 27 3/4 in. No. 111, 28 in. 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Explanation of Table Below: Numbers prefixed with (%) represent Novelties; B, Bulbs; F, Farm Seeds; P, Plants; R, Roots; S, Seeds.

[illegible]



# Leading Vegetable Specialties for 1910

Vaughan's Apple-Shaped Red Globe Onion

## Vaughan's Apple Shaped Red Globe Onion

In the market growing sections of the West, Vaughan's Apple Shaped Red Globe is recognized as the most perfect type of the Red Globe Onion. It is, we think, ideal for enclosing the most bulk in the most compact shape. Its color is rich dark blood red and its size equal to anything in Red Globe Onions.

Since its introduction by us we have grown this Onion in the East on the richest land we could find, each year carefully selecting it in size, shape and color, and we now have it the very best of its class. For the first time in a number of years, owing to an excellent crop, we are able to offer this Onion in quantity and at a price which puts it in the reach of all.

The Red Onion to keep its color must be raised in the East; California and far Western grown bulbs in a couple of generations become

light pale red. Our seed is grown alone by itself, at least a mile from any other variety and carefully saved, so there is no chance for a mixture. The light seed is floated off in water and we keep only the heavy seed which has sunk to the bottom of the washing machine.

Pkt 10c, oz 20c,  $\frac{1}{4}$  lb 60c, lb \$2.00, 5 lbs by express \$9.00.

## New Beet—Vaughan's Fireball

We offer in this new variety the most perfect garden variety on the market today. Early (same season as Crosby's Egyptian) globe shaped; smooth skin; small tap root; flesh solid, very sweet; and a color of deep intense red. All the above qualities combined give it the handsomest appearance of all the Beets.

In the market garden districts it has a fault for outdoor sowing in that the tops are too small for rapid bunching. On the other hand, this is a strong point in its favor where Beets are forced for late and early market taking up little room.

Pkt 10c, oz 15c, 2 oz 25c,  $\frac{1}{4}$  lb 40c, lb \$1.25.

## New Bush Bean with a Pole Pod

### Vaughan's New Monster Stringless Wax

This high quality Bean is, we think, the best flavored and most tender of all Wax varieties. It is so stringless (and with no linen in the pod) that it may be used almost up to the time it is perfectly ripe.

In size it is the largest of all the Bush Beans; about  $\frac{1}{2}$  inch thick, 5 to 8 inches in length, and in color it is a light handsome yellow.

In addition to its quality and size, Monster Wax is early, being within a couple of days of the popular early sort, Wardwell's Wax.

This Bean is at its best on the rich prairie soil of the West. It is not of as much value as some other kinds on light or sandy soils. For a private garden sort we consider it unsurpassed; and as an exhibition variety it has no equal.

Pkt 15c, pt 25c (by mail 33c), qt 45c (by mail 60c).

## Laxtonian Pea, the New Dwarf Gradus

This new Dwarf Pea is the largest podded of all the early Dwarfs. We consider it the greatest advance in Dwarf Peas since the introduction of Nott's Excelsior, and it must soon displace the other varieties in this class.

Season early, pods as large as Telephone and well filled with 8 to 10 large Peas; Peas of exquisite flavor; vine vigorous and productive. We were the first American firm to offer LAXTONIAN PEA and we are positive the variety will become a standard in a couple of more seasons.

Pea crops are extremely short and we advise early ordering.

Pkt 15c, 2 pkts 25c,  $\frac{1}{2}$  pt 35c (by mail 39c), pt 65c (by mail 70c).

For other tested novelties and specialties read pages 3 to 9.

Back cover page shows these vegetables in colors, painted from nature.

Vaughan's New Fireball Beet—the perfect globe variety. It is early; finest deep red color; solid, sweet and has small tops; taking up little room.

Four packets, one each of the four vegetables on this page for 40c, postpaid.

Relative Sizes.

First on the left, Monster Stringless Wax; in the middle, Wardwell's Wax; on the right, Davis' Wax.

Laxtonian Pea—a Dwarf Early Pea with pods as large as Telephone.







From \_\_\_\_\_

P. O. \_\_\_\_\_ State \_\_\_\_\_

*Vaughan's Seed Store*

*New York*

*25 Barclay Street*













VAUGHAN'S APPLE SHAPED RED GLOBE ONION

# VAUGHAN'S SEEDS

## 1910



BEAN, VAUGHAN'S MONSTER STRINGLESS WAX

BEET, VAUGHAN'S FIRE BALL

PEA LAXTONIAN